

Converting Colors

$Y_{xy}(86.0313, 0.3110, 0.3261)$

Have a look what the booklet for
Yxy(86.0313, 0.3110, 0.3261)
contains.

Yxy(85.6771, 0.3109, 0.3260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(85.6771, 0.3109, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEF1
RGB	238, 238, 241
RGB Percent	93%, 93%, 95%
CMY	0.0667, 0.0666, 0.0550
CMYK	0.01, 0.01, 0.00, 0.06
HSL	240°, 10%, 94%
HSV	240°, 1%, 94%
XYZ	81.7086, 85.6771, 95.4275
YIQ	238.3420, -0.9630, 0.9330

Conversions

Conversions Part 2

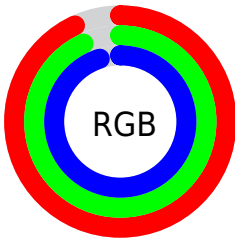
Format	Color
R _Y B	238, 238, 241
Decimal	15658737
CIE Lab	94.17, 0.53, -1.44
CIE LCh	94, 1.537, 290.335
Yxy	85.6771, 0.3109, 0.3260
Android (android.graphics.Color)	4293848817 (0xFFEEEEF1)
YUV	238.3420, 1.3104, -0.2999
Hunter-Lab	92.5619, -4.4133, 3.6678

Details

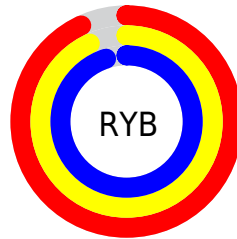
The Yxy color **85.6771, 0.3109, 0.3260** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.7610, 0.3145, 0.3320**, and the grayscale version is **85.7705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9038, 0.3104, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **68.6988, 0.2950, 0.2997**, and if you desaturate by 10%, it is **99.1293, 0.3209, 0.3425**.

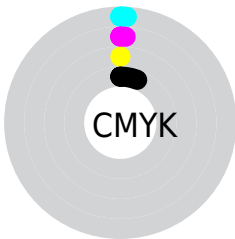
Distribution



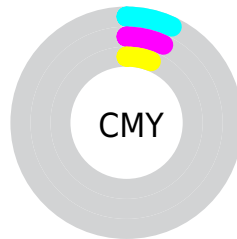
- Red (93%)
- Green (93%)
- Blue (95%)



- Red (93%)
- Yellow (93%)
- Blue (95%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (7%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6771, 0.3109, 0.3260 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.6771, 0.3109, 0.3260 by changing the saturation by 10% instead.

85.6771, 0.3109,
0.3260

85.6771, 0.3109,
0.3260

513.8659, 0.3117,
0.3274

64.4010, 0.3107,
0.3257

141.3188, 0.3112,
0.3265

46.9755, 0.3105,
0.3253

176.4532, 0.3113,
0.3266

33.0163, 0.3102,
0.3249

216.9758, 0.3114,
0.3268

22.1389, 0.3099,
0.3243

263.2710, 0.3115,
0.3269

13.9590, 0.3094,
0.3235

315.7232, 0.3115,
0.3271

8.0922, 0.3087,
0.3224

374.7169, 0.3116,

4.1540, 0.3077,

0.3272

0.3208

440.6363, 0.3117,
0.3273

■ 1.7601, 0.3060,
0.3181

■ 0.4621, 0.2979,
0.3044

■ 85.6771, 0.3109,
0.3260

■ 85.6771, 0.3109,
0.3260

■ 68.6988, 0.2950,
0.2997

■ 99.1293, 0.3209,
0.3425

■ 54.0514, 0.2770,
0.2700

■ 41.6366, 0.2570,
0.2371

■ 31.3447, 0.2357,
0.2019

■ 23.0569, 0.2141,
0.1660

■ 16.6428, 0.1934,
0.1319

■ 11.9564, 0.1755,
0.1023

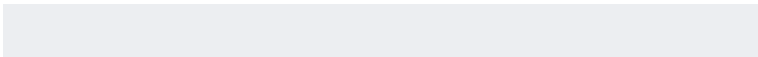
■ 8.8304, 0.1619,
0.0798

■ 7.0642, 0.1535,
0.0659

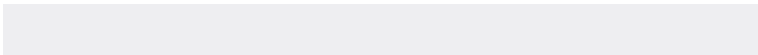
Harmonies

Analogous

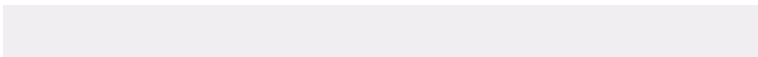
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6771, 0.3097, 0.3264



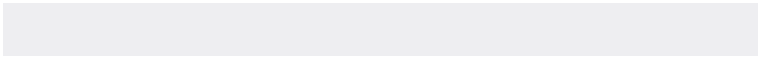
85.6771, 0.3109, 0.3260



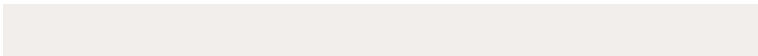
85.6771, 0.3126, 0.3264

Triad

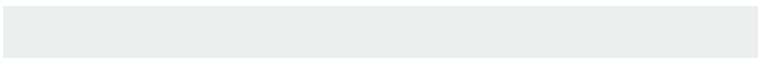
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6771, 0.3109, 0.3260



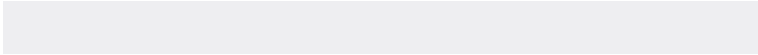
85.6771, 0.3162, 0.3306



85.6771, 0.3111, 0.3305

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



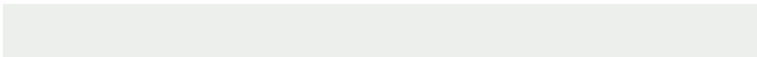
85.6771, 0.3109, 0.3260



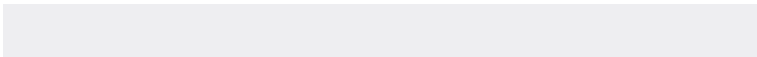
87.7610, 0.3145, 0.3320

Split Complementary

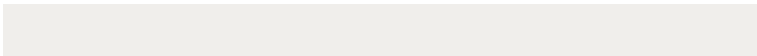
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6771, 0.3129, 0.3316



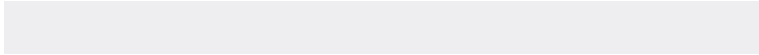
85.6771, 0.3109, 0.3260



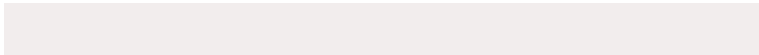
85.6771, 0.3158, 0.3317

Square

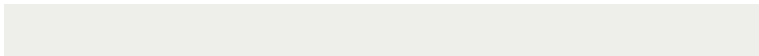
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



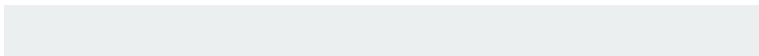
85.6771, 0.3109, 0.3260



85.6771, 0.3156, 0.3291



85.6771, 0.3145, 0.3321



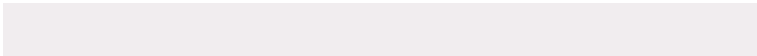
85.6771, 0.3098, 0.3290

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



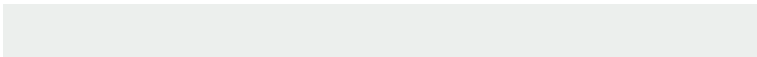
85.6771, 0.3109, 0.3260



85.6771, 0.3138, 0.3271



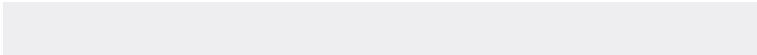
85.6771, 0.3145, 0.3321



85.6771, 0.3117, 0.3309

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85.6808, 0.3109, 0.3260

100.0000, 0.3127, 0.3290



87.4186, 0.3108, 0.3290



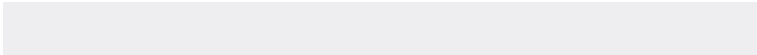
21.4041, 0.3127, 0.3290



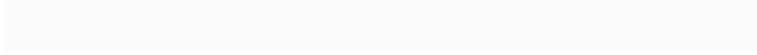
0.0000, 0.0000, 0.0000

Same Dimension

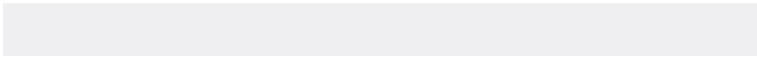
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6808, 0.3109, 0.3260



97.9059, 0.3112, 0.3266



85.9274, 0.3118, 0.3260



18.3611, 0.3113, 0.3267



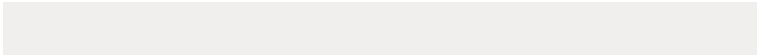
3.4503, 0.1500, 0.0601



0.2885, 0.1501, 0.0604

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



86.0206, 0.3147, 0.3290



98.2209, 0.3143, 0.3290



87.5123, 0.3136, 0.3320



18.4168, 0.3142, 0.3290



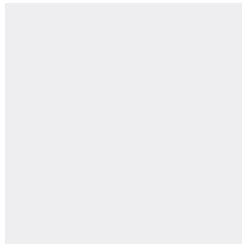
10.1417, 0.6399, 0.3299



0.8438, 0.6394, 0.3296

Previews

White Background



This preview shows how the Yxy color 85.6771, 0.3109, 0.3260 looks on a white background.

Color Contrast Check

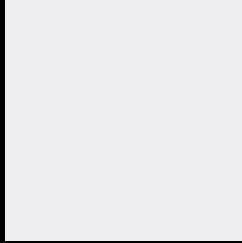
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 85.6771, 0.3109, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

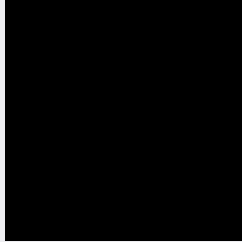
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

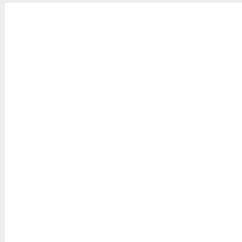
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6771, 0.3109, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 85.6771, 0.3109, 0.3260.

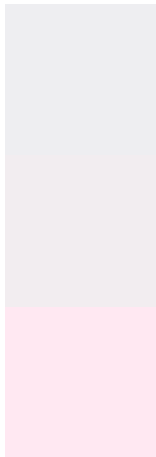


This preview shows how white text looks on a background with the Yxy color 85.6771, 0.3109, 0.3260.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.6771, 0.3109, 0.3260

Protanopia

85.7369, 0.3142, 0.3260

Deuteranopia

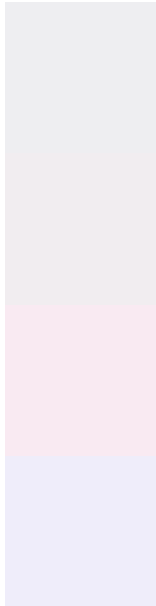
85.3840, 0.3220, 0.3192



Tritanopia

85.7362, 0.3038, 0.3101

Trichromacy



Original Color

85.6771, 0.3109, 0.3260

Protanomaly

85.5604, 0.3135, 0.3260

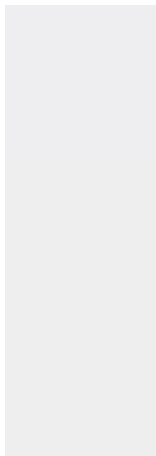
Deuteranomaly

85.3962, 0.3178, 0.3211

Tritanomaly

85.8212, 0.3061, 0.3160

Monochromacy



Original Color

85.6771, 0.3109, 0.3260

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5582, 0.3121, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6771, 0.3109, 0.3260 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(238, 238, 241)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 241)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(238, 238, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 241) }
```

Border

The CSS property to change the border of an element to Yxy 85.6771, 0.3109, 0.3260 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 238, 241) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(238, 238, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(238, 238, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 241);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
241) }
```

Background

The CSS property to change the background color of an element to Yxy 85.6771, 0.3109, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 241) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(238,  
238, 241) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor