

Converting Colors

$Y_{xy}(85.9775, 0.3145, 0.3319)$

Have a look what the booklet for
Yxy(85.9775, 0.3145, 0.3319)
contains.

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Color

Yxy(86.1399, 0.3146, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	EFEFEC
RGB	239, 239, 236
RGB Percent	94%, 94%, 93%
CMY	0.0624, 0.0628, 0.0744
CMYK	0.00, 0.00, 0.01, 0.06
HSL	58°, 9%, 93%
HSV	58°, 1%, 94%
XYZ	81.6253, 86.1399, 91.6923
YIQ	238.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

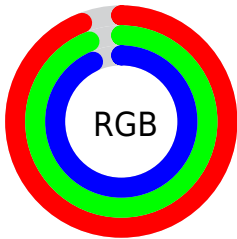
Format	Color
R _Y B	236, 239, 236
Decimal	15724524
CIE Lab	94.37, -0.48, 1.43
CIE LCh	94, 1.509, 108.582
Yxy	86.1399, 0.3146, 0.3320
Android (android.graphics.Color)	4293914604 (0xFFEFEFEC)
YUV	238.6580, -1.3104, 0.2999
Hunter-Lab	92.8116, -5.4342, 6.3931

Details

The Yxy color **86.1399, 0.3146, 0.3320** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.1312, 0.3108, 0.3260**, and the grayscale version is **86.0579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2295, 0.3151, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **84.3816, 0.3297, 0.3560**, and if you desaturate by 10%, it is **87.7724, 0.3032, 0.3139**.

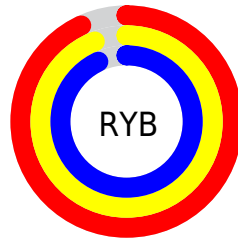
Distribution



Red (94%)

Green (94%)

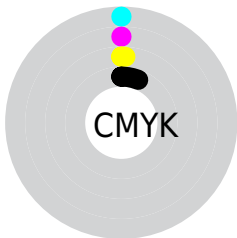
Blue (93%)



Red (93%)

Yellow (94%)

Blue (93%)

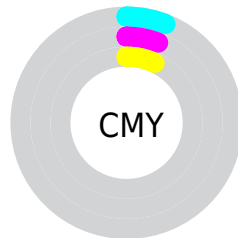


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (6%)



Cyan (6%)

Magenta (6%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1399, 0.3146, 0.3320 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 86.1399, 0.3146, 0.3320 by changing the saturation by 10% instead.

86.1399, 0.3146,
0.3320

86.1399, 0.3146,
0.3320

515.3924, 0.3138,
0.3307

64.7837, 0.3148,
0.3323

141.9647, 0.3143,
0.3315

47.2857, 0.3150,
0.3327

177.2021, 0.3142,
0.3314

33.2616, 0.3153,
0.3331

217.8352, 0.3141,
0.3312

22.3269, 0.3157,
0.3337

264.2486, 0.3140,
0.3311

14.0973, 0.3161,
0.3345

316.8267, 0.3139,
0.3310

8.1884, 0.3168,
0.3356

375.9537, 0.3139,

4.2157, 0.3178,

0.3308

442.0142, 0.3138,
0.3307

0.3372

1.7949, 0.3195,
0.3399

0.4840, 0.3298,
0.3561

86.1399, 0.3146,
0.3320

86.1399, 0.3146,
0.3320

84.3816, 0.3297,
0.3560

87.7724, 0.3032,
0.3139

82.8004, 0.3452,
0.3805


88.2403, 0.3031,
0.3147

81.3921, 0.3607,
0.4048


88.7103, 0.3031,
0.3155

80.1483, 0.3757,
0.4282

89.1823, 0.3031,
0.3163


 79.0599, 0.3895,
0.4495


 89.6563, 0.3031,
0.3171


 78.1168, 0.4016,
0.4678


 90.1324, 0.3031,
0.3179


 77.3080, 0.4115,
0.4823

 90.6106, 0.3031,
0.3187

 76.6205, 0.4187,
0.4925

 91.0908, 0.3031,
0.3194

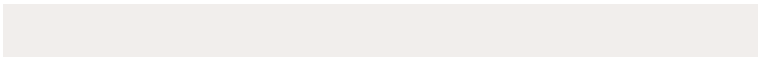
 76.0390, 0.4232,
0.4983

 91.5731, 0.3031,
0.3202

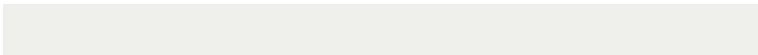
Harmonies

Analogous

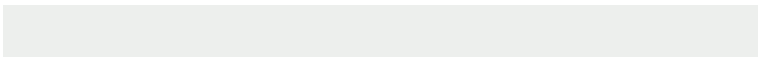
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1399, 0.3157, 0.3316



86.1399, 0.3146, 0.3320



86.1399, 0.3130, 0.3316

Triad

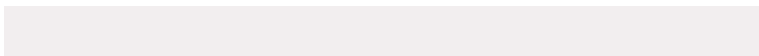
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1399, 0.3146, 0.3320



86.1399, 0.3094, 0.3276



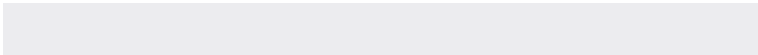
86.1399, 0.3142, 0.3275

Complementary

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



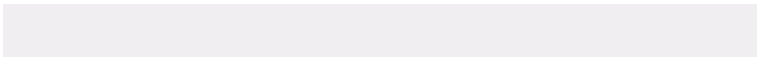
86.1399, 0.3146, 0.3320



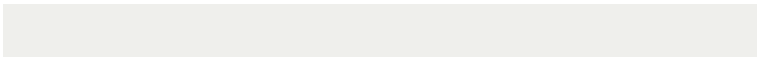
84.1312, 0.3108, 0.3260

Split Complementary

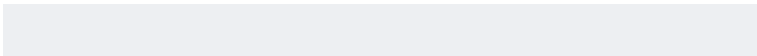
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1399, 0.3125, 0.3264



86.1399, 0.3146, 0.3320



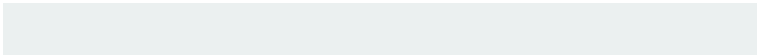
86.1399, 0.3097, 0.3265

Square

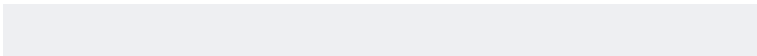
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



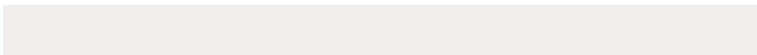
86.1399, 0.3146, 0.3320



86.1399, 0.3099, 0.3291



86.1399, 0.3109, 0.3261



86.1399, 0.3155, 0.3290

Rectangle

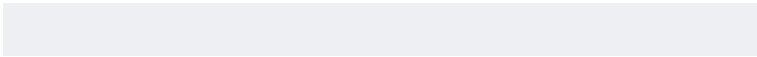
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



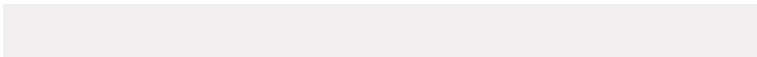
86.1399, 0.3146, 0.3320



86.1399, 0.3118, 0.3310



86.1399, 0.3109, 0.3261



86.1399, 0.3137, 0.3271

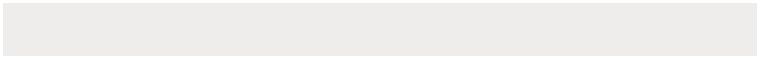
Sweetspot

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



86.1436, 0.3146, 0.3320

100.0000, 0.3127, 0.3290



84.4281, 0.3147, 0.3289



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

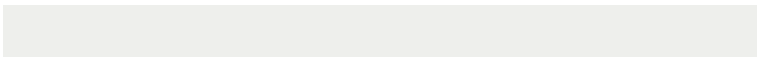
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1436, 0.3146, 0.3320



99.5678, 0.3157, 0.3337



85.9550, 0.3136, 0.3321



18.6552, 0.3155, 0.3334



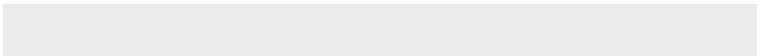
41.7844, 0.4252, 0.5006



3.5041, 0.4244, 0.5012

Inverse Universe

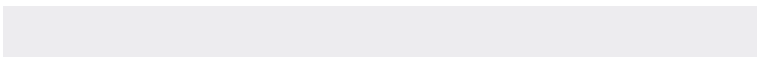
The Inverse Universe completely reimagines the original color for something new.



84.1312, 0.3108, 0.3260



95.9399, 0.3097, 0.3243



84.3185, 0.3118, 0.3259



18.0128, 0.3099, 0.3245



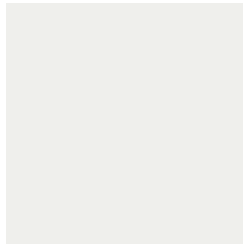
3.5763, 0.1506, 0.0621



0.3269, 0.1521, 0.0675

Previews

White Background



This preview shows how the Yxy color 86.1399, 0.3146, 0.3320 looks on a white background.

Color Contrast Check

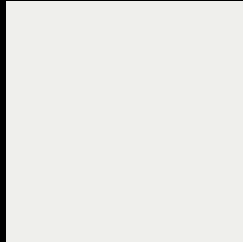
Large Text (above 18pt) WCAG AA × Fail

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 86.1399, 0.3146, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

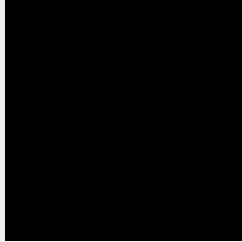
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

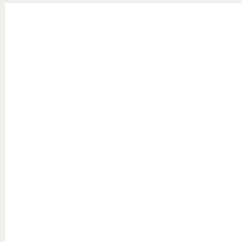
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1399, 0.3146, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 86.1399, 0.3146, 0.3320.

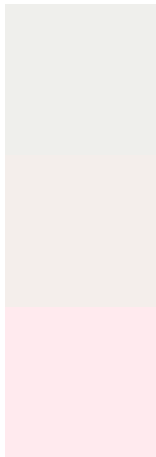


This preview shows how white text looks on a background with the Yxy color 86.1399, 0.3146, 0.3320.

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

86.1399, 0.3146, 0.3320

Protanopia

86.3803, 0.3186, 0.3320

Deuteranopia

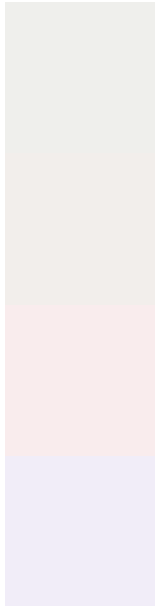
86.2787, 0.3244, 0.3251



Tritanopia

86.0882, 0.3051, 0.3102

Trichromacy



Original Color

86.1399, 0.3146, 0.3320

Protanomaly

86.0245, 0.3172, 0.3320

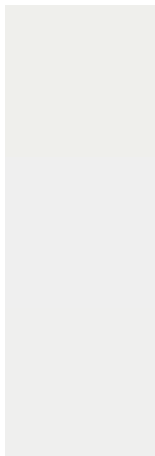
Deuteranomaly

86.2451, 0.3208, 0.3280

Tritanomaly

86.0465, 0.3086, 0.3180

Monochromacy



Original Color

86.1399, 0.3146, 0.3320

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.2568, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1399, 0.3146, 0.3320 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(239, 239, 236)` looks like.

```
.text, #text, p{  
    color:rgb(239, 239, 236)  
}
```

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(239, 239, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 239, 236) }
```

Border

The CSS property to change the border of an element to Yxy 86.1399, 0.3146, 0.3320 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(239, 239, 236) }
```

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

```
.border{ border-color:rgb(239, 239, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 239, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 239, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 239, 236);  
box-shadow:4px 4px 4px 4px rgb(239, 239,  
236) }
```

Background

The CSS property to change the background color of an element to Yxy 86.1399, 0.3146, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 239, 236) }
```

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

```
.background{ background-color: rgb(239,  
239, 236) }
```

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](#).

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