

Converting Colors

$Y_{xy}(87.9110, 0.3114, 0.3285)$

Have a look what the booklet for
Yxy(87.9110, 0.3114, 0.3285)
contains.

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Color

Yxy(87.8467, 0.3115, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	F0F1F2
RGB	240, 241, 242
RGB Percent	94%, 95%, 95%
CMY	0.0586, 0.0549, 0.0510
CMYK	0.01, 0.00, 0.00, 0.05
HSL	211°, 7%, 95%
HSV	211°, 1%, 95%
XYZ	83.4276, 87.8467, 96.5510
YIQ	240.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

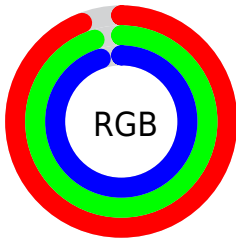
Format	Color
R_{YB}	240, 241, 242
Decimal	15790578
CIE Lab	95.10, -0.13, -0.60
CIE LCh	95, 0.613, 257.750
Yxy	87.8467, 0.3115, 0.3280
Android (android.graphics.Color)	4293980658 (0xFFFF0F1F2)
YUV	240.8150, 0.5842, -0.7148
Hunter-Lab	93.7266, -5.1357, 4.5319

Details

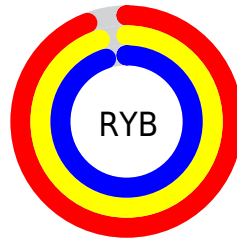
The Yxy color **87.8467, 0.3115, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.1042, 0.3139, 0.3300**, and the grayscale version is **87.8127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4334, 0.3111, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **76.7991, 0.2959, 0.3147**, and if you desaturate by 10%, it is **98.1701, 0.3204, 0.3400**.

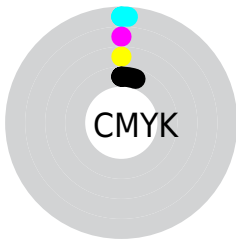
Distribution



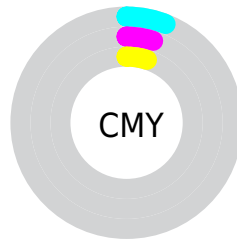
- Red (94%)
- Green (95%)
- Blue (95%)



- Red (94%)
- Yellow (95%)
- Blue (95%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8467, 0.3115, 0.3280 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 87.8467, 0.3115, 0.3280 by changing the saturation by 10% instead.

87.8467, 0.3115,
0.3280

87.8467, 0.3115,
0.3280

521.0011, 0.3120,
0.3285

66.1961, 0.3114,
0.3279

144.3437, 0.3117,
0.3282

48.4316, 0.3112,
0.3278

179.9589, 0.3118,
0.3282

34.1688, 0.3110,
0.3276

220.9978, 0.3118,
0.3283

23.0233, 0.3108,
0.3274

267.8448, 0.3119,
0.3283

14.6107, 0.3105,
0.3272

320.8842, 0.3119,
0.3284

8.5466, 0.3101,
0.3268

380.5004, 0.3120,

4.4467, 0.3094,

0.3284

0.3263

447.0779, 0.3120,
0.3284

■ 1.9264, 0.3083,
0.3254

■ 0.5642, 0.3040,
0.3218

■ 87.8467, 0.3115,
0.3280

■ 87.8467, 0.3115,
0.3280

■ 76.7991, 0.2959,
0.3147

■ 98.1701, 0.3204,
0.3400

■ 66.7803, 0.2797,
0.2999

■ 99.1900, 0.3203,
0.3415

■ 57.7603, 0.2632,
0.2836

■ 49.7031, 0.2466,
0.2658

■ 42.5704, 0.2306,
0.2469

■ 36.3206, 0.2155,
0.2270

■ 30.9083, 0.2020,
0.2068

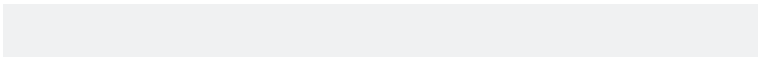
■ 26.2825, 0.1905,
0.1867

■ 22.3843, 0.1815,
0.1674

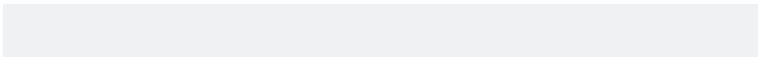
Harmonies

Analogous

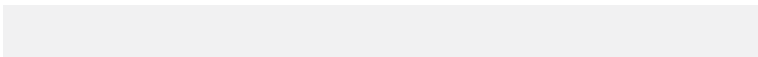
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8467, 0.3114, 0.3284



87.8467, 0.3115, 0.3280



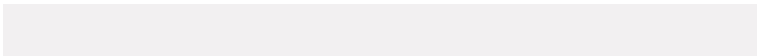
87.8467, 0.3120, 0.3278

Triad

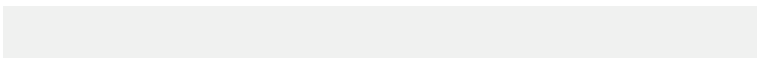
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8467, 0.3115, 0.3280



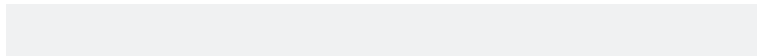
87.8467, 0.3138, 0.3290



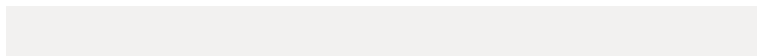
87.8467, 0.3128, 0.3301

Complementary

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



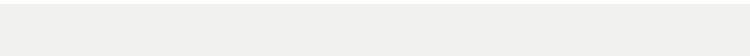
87.8467, 0.3115, 0.3280



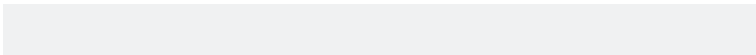
88.1042, 0.3139, 0.3300

Split Complementary

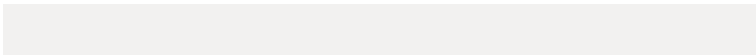
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8467, 0.3135, 0.3302



87.8467, 0.3115, 0.3280



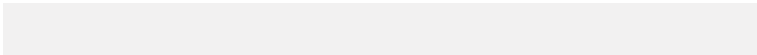
87.8467, 0.3141, 0.3296

Square

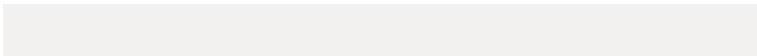
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



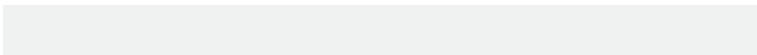
87.8467, 0.3115, 0.3280



87.8467, 0.3133, 0.3284



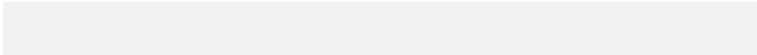
87.8467, 0.3140, 0.3300



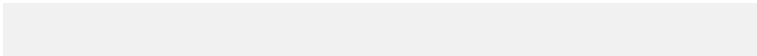
87.8467, 0.3121, 0.3297

Rectangle

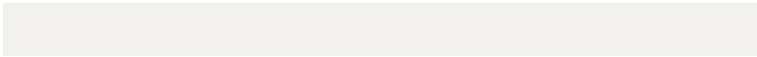
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



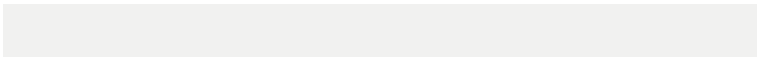
87.8467, 0.3115, 0.3280



87.8467, 0.3124, 0.3279



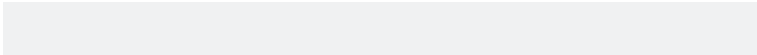
87.8467, 0.3140, 0.3300



87.8467, 0.3131, 0.3302

Sweetspot

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



87.8505, 0.3115, 0.3280

100.0000, 0.3127, 0.3290



88.3817, 0.3120, 0.3300



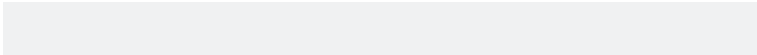
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

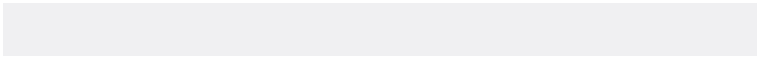
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8505, 0.3115, 0.3280



98.6886, 0.3112, 0.3278



87.2929, 0.3115, 0.3271



18.4996, 0.3113, 0.3278



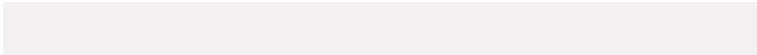
10.6734, 0.1760, 0.1537



1.0865, 0.1828, 0.1779

Inverse Universe

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



87.5743, 0.3134, 0.3281



98.2999, 0.3136, 0.3278



88.6648, 0.3139, 0.3309



18.4308, 0.3135, 0.3279



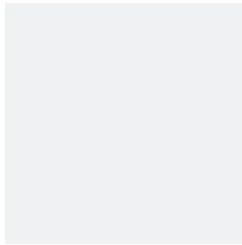
10.8708, 0.5011, 0.2534



0.9244, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 87.8467, 0.3115, 0.3280 looks on a white background.

Color Contrast Check

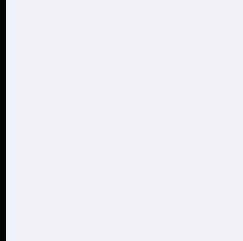
Large Text (above 18pt) WCAG AA × Fail

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 87.8467, 0.3115, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

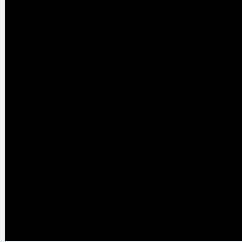
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

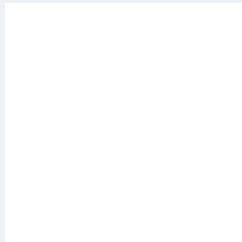
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8467, 0.3115, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 87.8467, 0.3115, 0.3280.

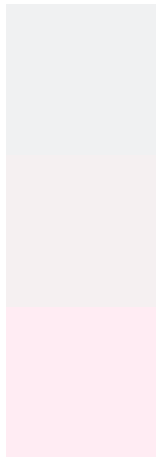


This preview shows how white text looks on a background with the Yxy color 87.8467, 0.3115, 0.3280.

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

87.8467, 0.3115, 0.3280

Protanopia

88.0835, 0.3154, 0.3280

Deuteranopia

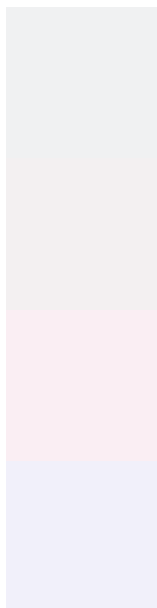
87.7220, 0.3211, 0.3222



Tritanopia

87.8302, 0.3050, 0.3132

Trichromacy



Original Color

87.8467, 0.3115, 0.3280

Protanomaly

87.7257, 0.3141, 0.3280

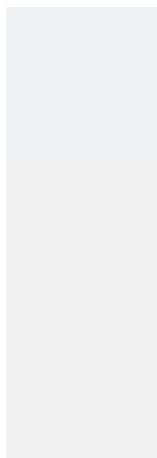
Deuteranomaly

87.9441, 0.3176, 0.3241

Tritanomaly

87.9231, 0.3073, 0.3191

Monochromacy



Original Color

87.8467, 0.3115, 0.3280

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9622, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8467, 0.3115, 0.3280 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(240, 241, 242) looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 242)  
}
```

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(240, 241, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 242) }
```

Border

The CSS property to change the border of an element to Yxy 87.8467, 0.3115, 0.3280 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(240, 241, 242) }
```

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

```
.border{ border-color:rgb(240, 241, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 241, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 242);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
242) }
```

Background

The CSS property to change the background color of an element to Yxy 87.8467, 0.3115, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 241, 242) }
```

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

```
.background{ background-color: rgb(240,  
241, 242) }
```

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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