

Converting Colors

Yxy(84.0452, 0.3027, 0.3198)

Have a look what the booklet for
Yxy(84.0452, 0.3027, 0.3198)
contains.

Yxy(84.0452, 0.3027, 0.3198)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.0452, 0.3027, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	E6EDF6
RGB	230, 237, 246
RGB Percent	90%, 93%, 96%
CMY	0.0980, 0.0706, 0.0353
CMYK	0.06, 0.04, 0.00, 0.04
HSL	214°, 47%, 93%
HSV	214°, 6%, 96%
XYZ	79.5512, 84.0452, 99.2091
YIQ	235.9330, -7.0610, 1.3150

Conversions

Conversions Part 2

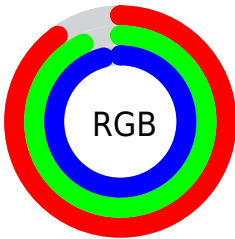
Format	Color
R _Y B	230, 235, 246
Decimal	15134198
CIE Lab	93.47, -0.65, -5.15
CIE LCh	93, 5.192, 262.774
Yxy	84.0452, 0.3027, 0.3198
Android (android.graphics.Color)	4293324278 (0xFFE6EDF6)
YUV	235.9330, 4.9630, -5.2032
Hunter-Lab	91.6762, -5.5414, 0.0115

Details

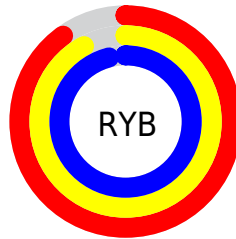
The Yxy color **84.0452, 0.3027, 0.3198** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.0313, 0.3230, 0.3380**, and the grayscale version is **83.7945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7641, 0.2999, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **72.5617, 0.2866, 0.3042**, and if you desaturate by 10%, it is **96.7274, 0.3180, 0.3337**.

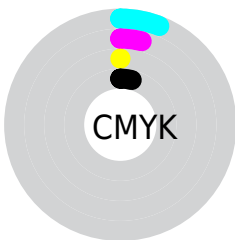
Distribution



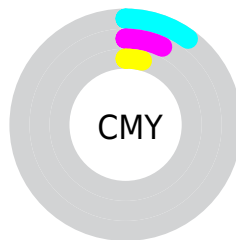
- Red (90%)
- Green (93%)
- Blue (96%)



- Red (90%)
- Yellow (92%)
- Blue (96%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (10%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0452, 0.3027, 0.3198 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 84.0452, 0.3027, 0.3198 by changing the saturation by 10% instead.

84.0452, 0.3027,
0.3198

84.0452, 0.3027,
0.3198

508.4633, 0.3072,
0.3240

63.0528, 0.3017,
0.3189

139.0384, 0.3042,
0.3212

45.8839, 0.3005,
0.3177

173.8079, 0.3048,
0.3218

32.1542, 0.2989,
0.3163

213.9387, 0.3054,
0.3223

21.4793, 0.2970,
0.3145

259.8149, 0.3058,
0.3227

13.4748, 0.2943,
0.3121

311.8211, 0.3062,
0.3231

7.7563, 0.2907,
0.3086

370.3416, 0.3066,

3.9394, 0.2852,

0.3234

435.7609, 0.3069,
0.3237

0.3035

1.6397, 0.2760,
0.2949

0.3842, 0.2310,
0.2541

84.0452, 0.3027,
0.3198

84.0452, 0.3027,
0.3198

72.5617, 0.2866,
0.3042

96.7274, 0.3180,
0.3337

62.2285, 0.2699,
0.2869

99.4332, 0.3179,
0.3376

53.0092, 0.2529,
0.2680

44.8614, 0.2360,
0.2476

■ 37.7393, 0.2197,
0.2261

■ 31.5934, 0.2047,
0.2039

■ 26.3690, 0.1916,
0.1819

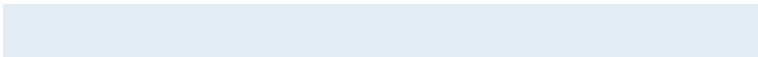
■ 22.0040, 0.1810,
0.1607

■ 18.4240, 0.1731,
0.1411

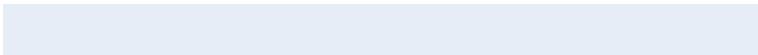
Harmonies

Analogous

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



84.0452, 0.3011, 0.3233



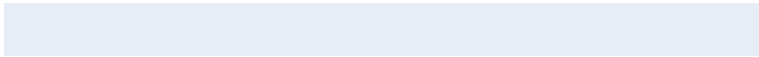
84.0452, 0.3027, 0.3198



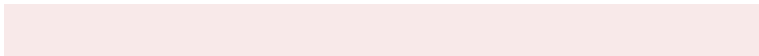
84.0452, 0.3069, 0.3188

Triad

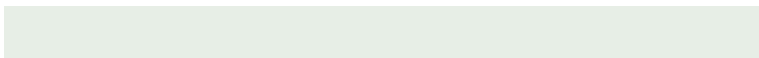
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0452, 0.3027, 0.3198



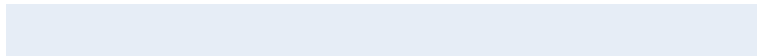
84.0452, 0.3229, 0.3296



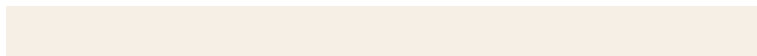
84.0452, 0.3126, 0.3377

Complementary

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



84.0452, 0.3027, 0.3198



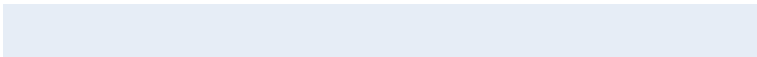
87.0313, 0.3230, 0.3380

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.



84.0452, 0.3185, 0.3394



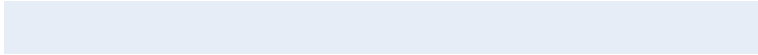
84.0452, 0.3027, 0.3198



84.0452, 0.3244, 0.3346

Square

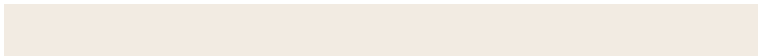
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



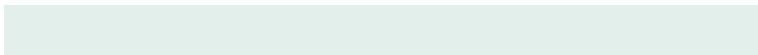
84.0452, 0.3027, 0.3198



84.0452, 0.3186, 0.3245



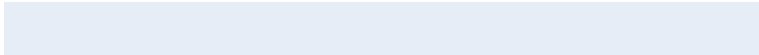
84.0452, 0.3228, 0.3382



84.0452, 0.3068, 0.3336

Rectangle

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



84.0452, 0.3027, 0.3198



84.0452, 0.3107, 0.3197



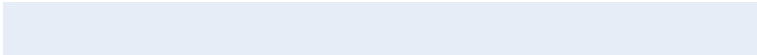
84.0452, 0.3228, 0.3382



84.0452, 0.3146, 0.3386

Sweetspot

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



84.0488, 0.3027, 0.3198



97.2302, 0.3097, 0.3262



88.9494, 0.3068, 0.3363



20.8404, 0.3098, 0.3264



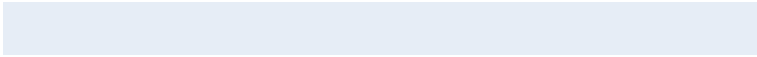
0.0000, 0.0000, 0.0000



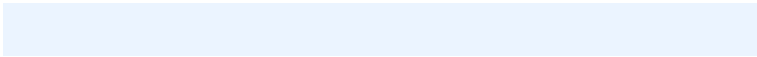
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0488, 0.3027, 0.3198



89.2355, 0.3003, 0.3176



80.2061, 0.3033, 0.3126



17.1209, 0.2980, 0.3153



9.5147, 0.1716, 0.1376



1.0371, 0.1783, 0.1618

Inverse Universe

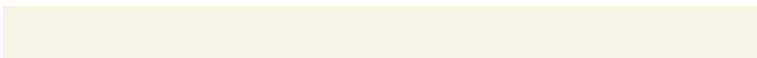
The Inverse Universe completely reimagines the original color for something new.



82.3023, 0.3192, 0.3220



86.9513, 0.3208, 0.3203



91.0658, 0.3218, 0.3450



16.6031, 0.3225, 0.3187



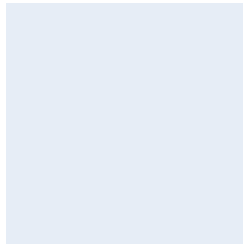
11.0599, 0.5223, 0.2651



0.9923, 0.4908, 0.2478

Previews

White Background



This preview shows how the Yxy color 84.0452, 0.3027, 0.3198 looks on a white background.

Color Contrast Check

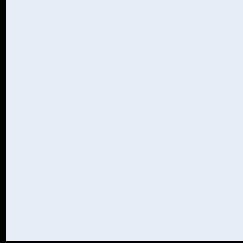
Large Text (above 18pt) WCAG AA × Fail

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 84.0452, 0.3027, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

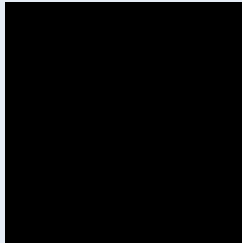
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

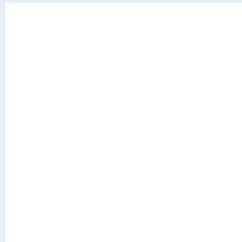
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0452, 0.3027, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 84.0452, 0.3027, 0.3198.

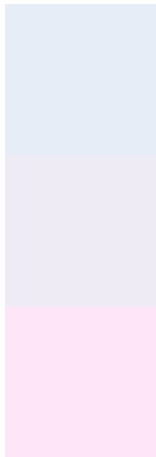


This preview shows how white text looks on a background with the Yxy color 84.0452, 0.3027, 0.3198.

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

84.0452, 0.3027, 0.3198

Protanopia

84.1864, 0.3085, 0.3189

Deuteranopia

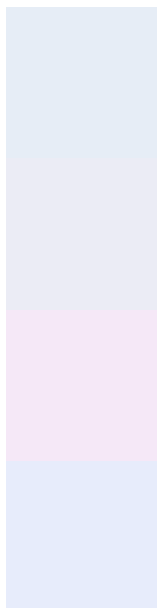
83.8868, 0.3177, 0.3105



Tritanopia

84.1356, 0.2986, 0.3108

Trichromacy



Original Color

84.0452, 0.3027, 0.3198

Protanomaly

84.2456, 0.3066, 0.3199

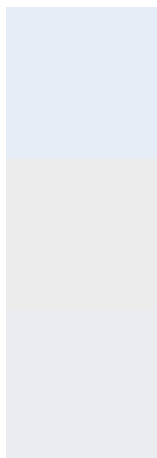
Deuteranomaly

83.8411, 0.3121, 0.3141

Tritanomaly

83.9449, 0.3004, 0.3138

Monochromacy



Original Color

84.0452, 0.3027, 0.3198

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7746, 0.3089, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0452, 0.3027, 0.3198 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(230, 237, 246)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 246)  
}
```

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(230, 237, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 246) }
```

Border

The CSS property to change the border of an element to Yxy 84.0452, 0.3027, 0.3198 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(230, 237, 246) }
```

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

```
.border{ border-color:rgb(230, 237, 246) }
```

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

Here you see how a box with a 4 pixel rgb(230, 237, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 246);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0452, 0.3027, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 246) }
```

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

```
.background{ background-color: rgb(230,  
237, 246) }
```

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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