

Converting Colors

$Yxy(84.8228, 0.3035, 0.3204)$

Have a look what the booklet for
Yxy(84.8228, 0.3035, 0.3204)
contains.

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Color

Yxy(84.9587, 0.3040, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	E8EEF6
RGB	232, 238, 246
RGB Percent	91%, 93%, 96%
CMY	0.0902, 0.0666, 0.0355
CMYK	0.06, 0.03, 0.00, 0.04
HSL	214°, 44%, 94%
HSV	214°, 6%, 96%
XYZ	80.4844, 84.9587, 99.3082
YIQ	237.1180, -6.1440, 1.2160

Conversions

Conversions Part 2

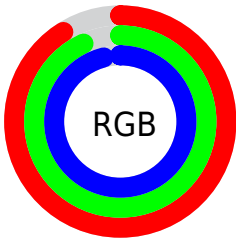
Format	Color
R _{YB}	232, 236, 246
Decimal	15265526
CIE _{Lab}	93.87, -0.52, -4.53
CIE _{LCh}	94, 4.564, 263.443
Y _{xy}	84.9587, 0.3040, 0.3209
Android (android.graphics.Color)	4293455606 (0xFFE8EEF6)
Y _{UV}	237.1180, 4.3788, -4.4885
Hunter-Lab	92.1730, -5.4388, 0.6415

Details

The Yxy color **84.9587, 0.3040, 0.3209** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.7077, 0.3216, 0.3370**, and the grayscale version is **84.7545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4037, 0.3015, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **73.2818, 0.2880, 0.3053**, and if you desaturate by 10%, it is **97.5485, 0.3181, 0.3348**.

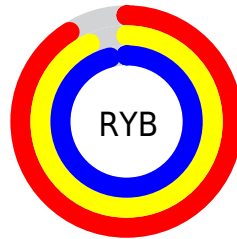
Distribution



Red (91%)

Green (93%)

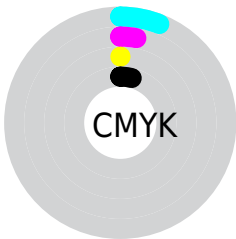
Blue (96%)



Red (91%)

Yellow (93%)

Blue (96%)

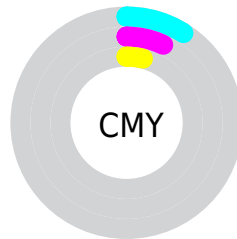


Cyan (6%)

Magenta (3%)

Yellow (0%)

Black (4%)



Cyan (9%)

Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9587, 0.3040, 0.3209 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 84.9587, 0.3040, 0.3209 by changing the saturation by 10% instead.

84.9587, 0.3040,
0.3209

84.9587, 0.3040,
0.3209

511.4914, 0.3079,
0.3246

63.8073, 0.3031,
0.3201

140.3155, 0.3053,
0.3222

46.4946, 0.3021,
0.3191

175.2896, 0.3059,
0.3226

32.6363, 0.3007,
0.3179

215.6401, 0.3063,
0.3231

21.8480, 0.2990,
0.3163

261.7513, 0.3067,
0.3234

13.7452, 0.2968,
0.3141

314.0076, 0.3071,
0.3238

7.9437, 0.2936,
0.3111

372.7935, 0.3074,

4.0589, 0.2889,

0.3241

0.3067

438.4933, 0.3077,
0.3243

■ 1.7066, 0.2810,
0.2993

■ 0.4279, 0.2455,
0.2666

■ 84.9587, 0.3040,
0.3209

■ 84.9587, 0.3040,
0.3209

■ 73.2818, 0.2880,
0.3053

■ 97.5485, 0.3181,
0.3348

■ 62.7747, 0.2712,
0.2879

■ 99.4311, 0.3180,
0.3377

■ 53.4009, 0.2542,
0.2688

■ 45.1172, 0.2371,
0.2481

■ 37.8778, 0.2207,
0.2264

■ 31.6327, 0.2055,
0.2040

■ 26.3268, 0.1921,
0.1816

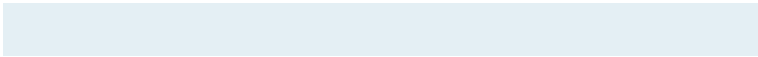
■ 21.8980, 0.1812,
0.1601

■ 18.2726, 0.1730,
0.1402

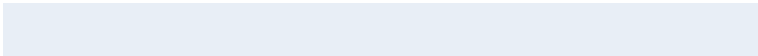
Harmonies

Analogous

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



84.9587, 0.3026, 0.3239



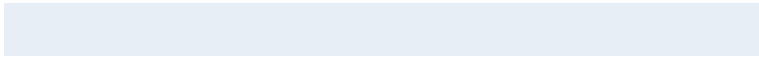
84.9587, 0.3040, 0.3209



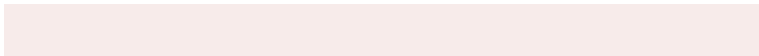
84.9587, 0.3078, 0.3201

Triad

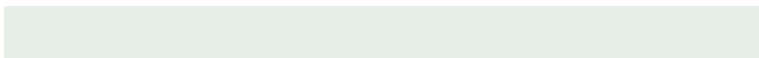
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9587, 0.3040, 0.3209



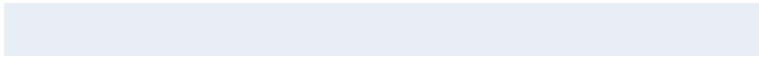
84.9587, 0.3217, 0.3296



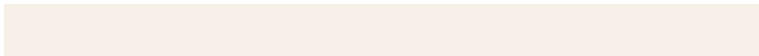
84.9587, 0.3125, 0.3366

Complementary

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



84.9587, 0.3040, 0.3209



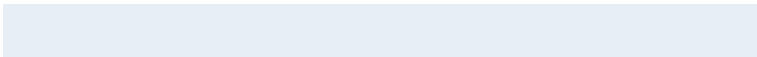
87.7077, 0.3216, 0.3370

Split Complementary

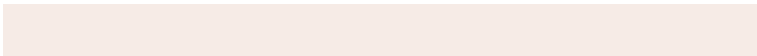
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9587, 0.3177, 0.3381



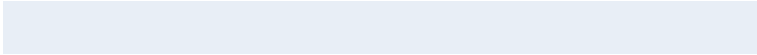
84.9587, 0.3040, 0.3209



84.9587, 0.3230, 0.3340

Square

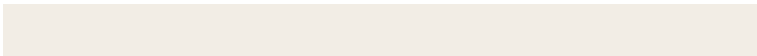
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



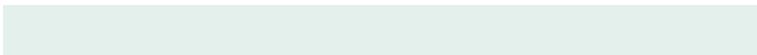
84.9587, 0.3040, 0.3209



84.9587, 0.3180, 0.3251



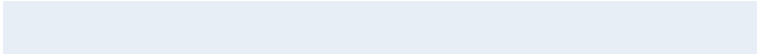
84.9587, 0.3215, 0.3371



84.9587, 0.3075, 0.3330

Rectangle

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



84.9587, 0.3040, 0.3209



84.9587, 0.3111, 0.3209



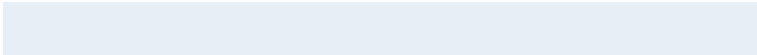
84.9587, 0.3215, 0.3371



84.9587, 0.3143, 0.3373

Sweetspot

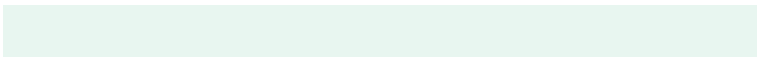
The Sweet Spot groups the original color and five complimentary colors.



84.9623, 0.3040, 0.3209



97.2048, 0.3097, 0.3262



89.3282, 0.3074, 0.3351



20.8352, 0.3098, 0.3263



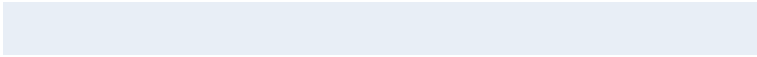
0.0000, 0.0000, 0.0000



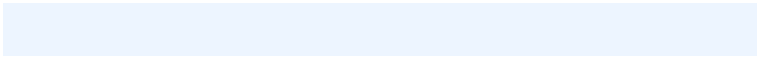
21.4041, 0.3127, 0.3290

Same Dimension

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



84.9623, 0.3040, 0.3209



90.4499, 0.3019, 0.3189



81.6844, 0.3047, 0.3148



17.5802, 0.3010, 0.3180



9.2961, 0.1709, 0.1352



1.0169, 0.1776, 0.1595

Inverse Universe

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



83.4779, 0.3184, 0.3230



88.4972, 0.3198, 0.3216



91.1283, 0.3205, 0.3429



17.1699, 0.3205, 0.3209



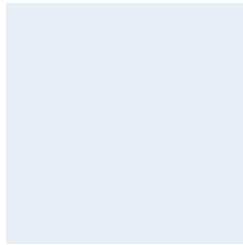
11.0378, 0.5256, 0.2669



0.9903, 0.4938, 0.2494

Previews

White Background



This preview shows how the Yxy color 84.9587, 0.3040, 0.3209 looks on a white background.

Color Contrast Check

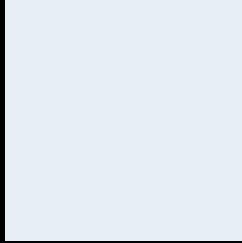
Large Text (above 18pt) WCAG AA × Fail

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 84.9587, 0.3040, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

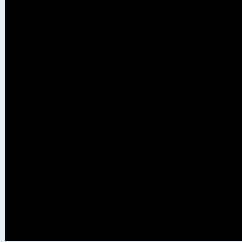
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

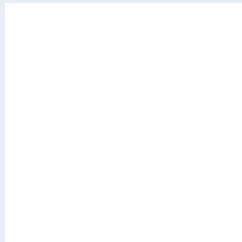
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9587, 0.3040, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 84.9587, 0.3040, 0.3209.

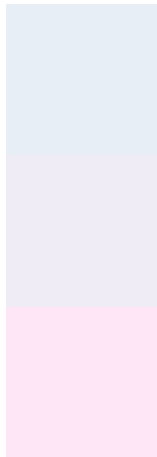


This preview shows how white text looks on a background with the Yxy color 84.9587, 0.3040, 0.3209.

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

84.9587, 0.3040, 0.3209

Protanopia

84.9342, 0.3092, 0.3199

Deuteranopia

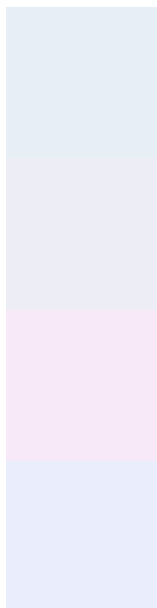
84.5690, 0.3189, 0.3125



Tritanopia

85.2808, 0.2999, 0.3109

Trichromacy



Original Color

84.9587, 0.3040, 0.3209

Protanomaly

84.9938, 0.3072, 0.3209

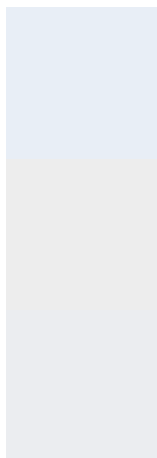
Deuteranomaly

84.7674, 0.3134, 0.3152

Tritanomaly

84.9203, 0.3011, 0.3139

Monochromacy



Original Color

84.9587, 0.3040, 0.3209

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.5218, 0.3096, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9587, 0.3040, 0.3209 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(232, 238, 246)` looks like.

```
.text, #text, p{  
    color:rgb(232, 238, 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(232, 238, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 238, 246) }
```

Border

The CSS property to change the border of an element to Yxy 84.9587, 0.3040, 0.3209 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(232, 238, 246) }
```

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

```
.border{ border-color:rgb(232, 238, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 238, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 238, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 238, 246); box-shadow:4px 4px 4px 4px rgb(232, 238, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9587, 0.3040, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 238, 246) }
```

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

```
.background{ background-color: rgb(232,  
238, 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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