

Converting Colors

Yxy(90.3580, 0.3032, 0.3249)

Have a look what the booklet for
Yxy(90.3580, 0.3032, 0.3249)
contains.

Yxy(90.4758, 0.3034, 0.3250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.4758, 0.3034, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	EBF6FA
RGB	235, 246, 250
RGB Percent	92%, 96%, 98%
CMY	0.0786, 0.0352, 0.0196
CMYK	0.06, 0.02, 0.00, 0.02
HSL	196°, 60%, 95%
HSV	196°, 6%, 98%
XYZ	84.4626, 90.4758, 103.4486
YIQ	243.1670, -7.8400, -1.0880

Conversions

Conversions Part 2

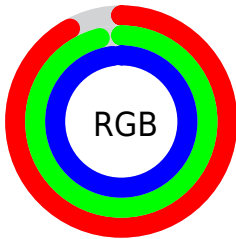
Format	Color
R _Y B	235, 241, 250
Decimal	15464186
CIE Lab	96.19, -2.89, -3.18
CIE LCh	96, 4.295, 227.731
Yxy	90.4758, 0.3034, 0.3250
Android (android.graphics.Color)	4293654266 (0xFFE6BF6FA)
YUV	243.1670, 3.3687, -7.1625
Hunter-Lab	95.1188, -7.9551, 2.1009

Details

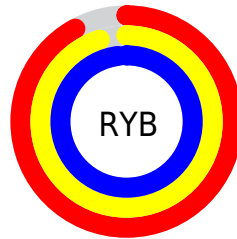
The Yxy color **90.4758, 0.3034, 0.3250** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.0206, 0.3225, 0.3330**, and the grayscale version is **89.7433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3057, 0.3009, 0.3239** is the 20% darker color. If you saturate the color by 10%, you get **82.5645, 0.2879, 0.3178**, and if you desaturate by 10%, it is **98.1820, 0.3157, 0.3315**.

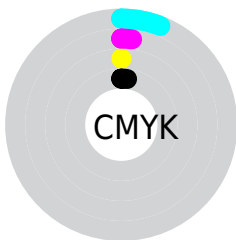
Distribution



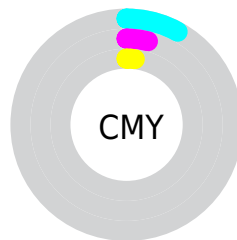
- Red (92%)
- Green (96%)
- Blue (98%)



- Red (92%)
- Yellow (95%)
- Blue (98%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (8%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4758, 0.3034, 0.3250 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 90.4758, 0.3034, 0.3250 by changing the saturation by 10% instead.

90.4758, 0.3034,
0.3250

90.4758, 0.3034,
0.3250

529.5774, 0.3075,
0.3268

68.3753, 0.3025,
0.3246

147.9991, 0.3048,
0.3256

50.2032, 0.3014,
0.3241

184.1908, 0.3054,
0.3259

35.5748, 0.3000,
0.3235

225.8483, 0.3058,
0.3261

24.1060, 0.2983,
0.3227

273.3560, 0.3063,
0.3263

15.4123, 0.2960,
0.3217

327.0984, 0.3066,
0.3264

9.1092, 0.2928,
0.3202

387.4599, 0.3070,

4.8125, 0.2882,

0.3266

0.3181

454.8247, 0.3073,
0.3267

■ 2.1377, 0.2807,
0.3146

■ 0.6857, 0.2600,
0.3067

■ 90.4758, 0.3034,
0.3250

■ 90.4758, 0.3034,
0.3250

■ 82.5645, 0.2879,
0.3178

■ 98.1820, 0.3157,
0.3315

■ 75.3644, 0.2728,
0.3099

■ 99.6818, 0.3156,
0.3338

■ 68.8515, 0.2582,
0.3014

■ 62.9956, 0.2446,
0.2923

■ 57.7638, 0.2323,
0.2827

■ 53.1201, 0.2216,
0.2729

■ 49.0237, 0.2128,
0.2628

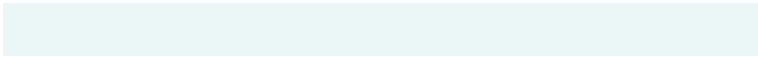
■ 45.4271, 0.2061,
0.2528

■ 42.2720, 0.2013,
0.2429

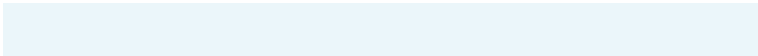
Harmonies

Analogous

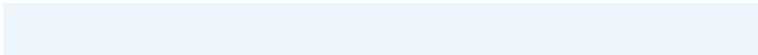
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4758, 0.3050, 0.3292



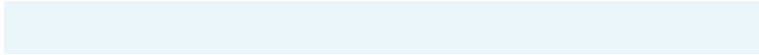
90.4758, 0.3034, 0.3250



90.4758, 0.3042, 0.3219

Triad

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



90.4758, 0.3034, 0.3250



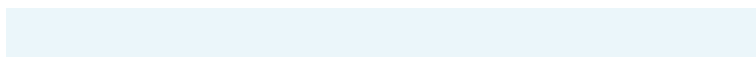
90.4758, 0.3167, 0.3247



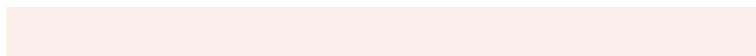
90.4758, 0.3181, 0.3374

Complementary

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



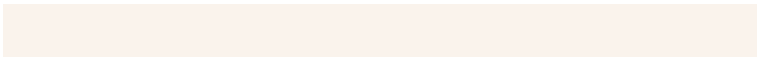
90.4758, 0.3034, 0.3250



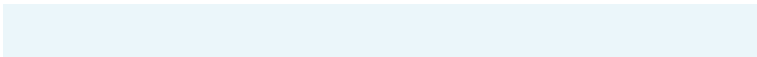
88.0206, 0.3225, 0.3330

Split Complementary

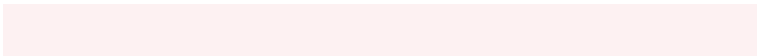
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4758, 0.3213, 0.3361



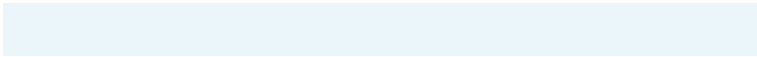
90.4758, 0.3034, 0.3250



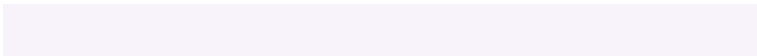
90.4758, 0.3205, 0.3288

Square

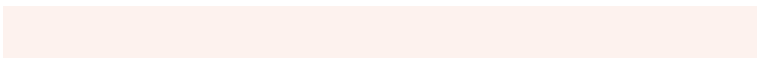
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.4758, 0.3034, 0.3250



90.4758, 0.3119, 0.3218



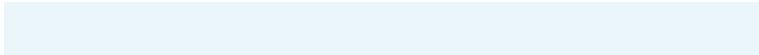
90.4758, 0.3221, 0.3329



90.4758, 0.3135, 0.3364

Rectangle

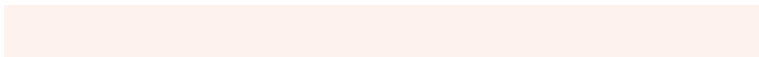
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.4758, 0.3034, 0.3250



90.4758, 0.3061, 0.3209



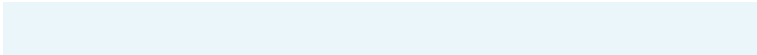
90.4758, 0.3221, 0.3329



90.4758, 0.3194, 0.3372

Sweetspot

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



90.4796, 0.3034, 0.3250



98.1870, 0.3096, 0.3277



92.2402, 0.3098, 0.3403



21.0351, 0.3098, 0.3278



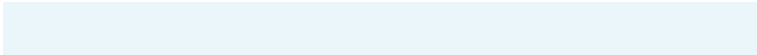
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



90.4796, 0.3034, 0.3250



93.7920, 0.3019, 0.3243



86.1299, 0.3035, 0.3177



19.1148, 0.3009, 0.3239



22.0509, 0.2002, 0.2406



2.2156, 0.2035, 0.2524

Inverse Universe

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



86.3757, 0.3159, 0.3182



88.8346, 0.3164, 0.3163



92.3756, 0.3219, 0.3401



18.0199, 0.3168, 0.3152



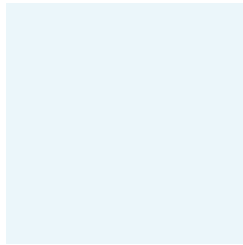
12.6370, 0.4017, 0.1987



1.1879, 0.3899, 0.1921

Previews

White Background



This preview shows how the Yxy color 90.4758, 0.3034, 0.3250 looks on a white background.

Color Contrast Check

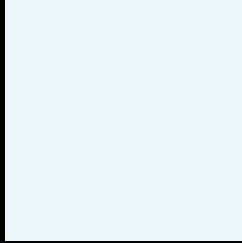
Large Text (above 18pt) WCAG AA × Fail

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 90.4758, 0.3034, 0.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

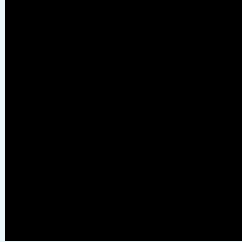
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

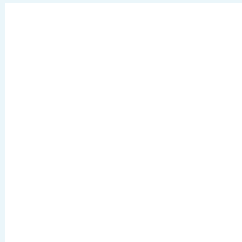
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4758, 0.3034, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 90.4758, 0.3034, 0.3250.

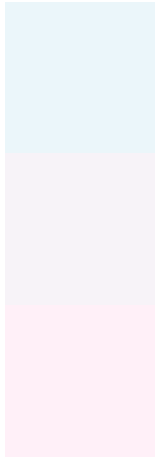


This preview shows how white text looks on a background with the Yxy color 90.4758, 0.3034, 0.3250.

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

90.4758, 0.3034, 0.3250

Protanopia

90.6527, 0.3123, 0.3241

Deuteranopia

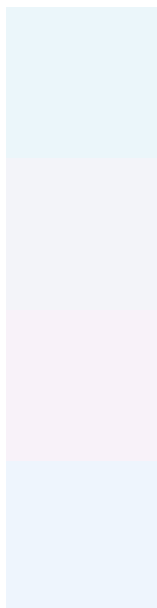
90.3575, 0.3177, 0.3213



Tritanopia

90.4466, 0.3037, 0.3181

Trichromacy



Original Color

90.4758, 0.3034, 0.3250

Protanomaly

90.5956, 0.3091, 0.3241

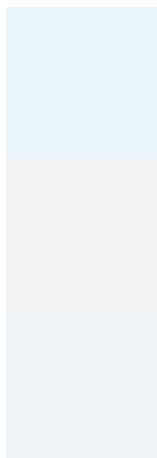
Deuteranomaly

90.3003, 0.3124, 0.3222

Tritanomaly

90.5738, 0.3036, 0.3211

Monochromacy



Original Color

90.4758, 0.3034, 0.3250

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.8805, 0.3090, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4758, 0.3034, 0.3250 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(235, 246, 250)` looks like.

```
.text, #text, p{  
    color:rgb(235, 246, 250)  
}
```

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(235, 246, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 246, 250) }
```

Border

The CSS property to change the border of an element to Yxy 90.4758, 0.3034, 0.3250 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(235, 246, 250) }
```

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

```
.border{ border-color:rgb(235, 246, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 246, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 246, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 246, 250);  
box-shadow:4px 4px 4px 4px rgb(235, 246,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4758, 0.3034, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 246, 250) }
```

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

```
.background{ background-color: rgb(235,  
246, 250) }
```

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