

Converting Colors

Yxy(90.3434, 0.3016, 0.3239)

Have a look what the booklet for
Yxy(90.3434, 0.3016, 0.3239)
contains.

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Color

Yxy(90.2002, 0.3016, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	E9F6FB
RGB	233, 246, 251
RGB Percent	91%, 96%, 98%
CMY	0.0864, 0.0352, 0.0158
CMYK	0.07, 0.02, 0.00, 0.02
HSL	197°, 69%, 95%
HSV	197°, 7%, 98%
XYZ	83.9641, 90.2002, 104.2313
YIQ	242.6830, -9.3530, -1.2010

Conversions

Conversions Part 2

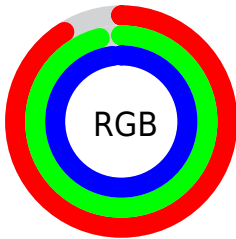
Format	Color
R _Y B	233, 241, 251
Decimal	15333115
CIE Lab	96.08, -3.34, -3.87
CIE LCh	96, 5.115, 229.159
Yxy	90.2002, 0.3016, 0.3240
Android (android.graphics.Color)	4293523195 (0xFFE9F6FB)
YUV	242.6830, 4.1003, -8.4920
Hunter-Lab	94.9738, -8.3964, 1.4124

Details

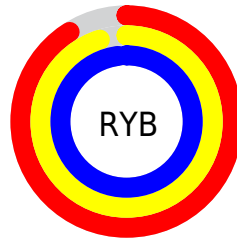
The Yxy color **90.2002, 0.3016, 0.3240** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.5026, 0.3245, 0.3339**, and the grayscale version is **89.3341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1142, 0.2986, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **82.1442, 0.2861, 0.3164**, and if you desaturate by 10%, it is **98.4331, 0.3151, 0.3309**.

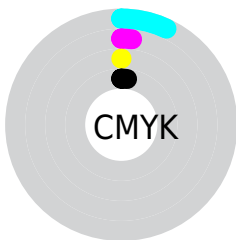
Distribution



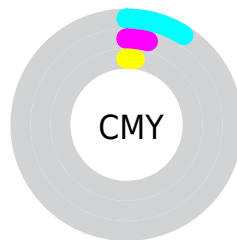
- Red (91%)
- Green (96%)
- Blue (98%)



- Red (91%)
- Yellow (95%)
- Blue (98%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)




- Cyan (9%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2002, 0.3016, 0.3240 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 90.2002, 0.3016, 0.3240 by changing the saturation by 10% instead.


 90.2002, 0.3016,
0.3240

 90.2002, 0.3016,
0.3240


528.6819, 0.3065,
0.3263

 68.1467, 0.3005,
0.3235

147.6164, 0.3033,
0.3248

 50.0171, 0.2992,
0.3229

183.7480, 0.3039,
0.3251

 35.4270, 0.2976,
0.3221


225.3410, 0.3045,
0.3253

 23.9920, 0.2955,
0.3211

272.7799, 0.3050,
0.3256

 15.3277, 0.2927,
0.3198

326.4490, 0.3055,
0.3258

 9.0497, 0.2890,
0.3180

386.7328, 0.3059,

 4.7736, 0.2834,

0.3259

0.3153

454.0156, 0.3062,
0.3261

■ 2.1150, 0.2745,
0.3109

■ 0.6731, 0.2497,
0.3011

■ 90.2002, 0.3016,
0.3240

■ 90.2002, 0.3016,
0.3240

■ 82.1442, 0.2861,
0.3164

■ 98.4331, 0.3151,
0.3309

■ 74.8150, 0.2709,
0.3081

■ 99.7436, 0.3150,
0.3328

■ 68.1878, 0.2564,
0.2991

■ 62.2316, 0.2428,
0.2896

■ 56.9128, 0.2305,
0.2795

■ 52.1941, 0.2199,
0.2692

■ 48.0337, 0.2111,
0.2587

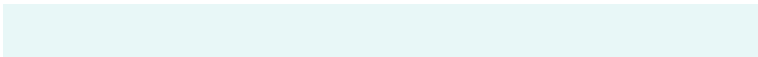
■ 44.3823, 0.2045,
0.2482

■ 41.1774, 0.1997,
0.2378

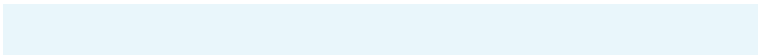
Harmonies

Analogous

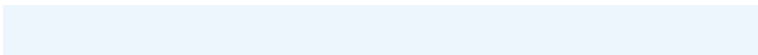
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2002, 0.3034, 0.3290



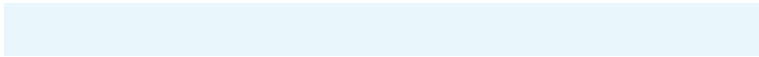
90.2002, 0.3016, 0.3240



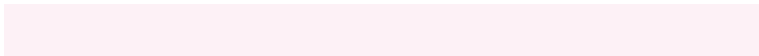
90.2002, 0.3027, 0.3204

Triad

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



90.2002, 0.3016, 0.3240



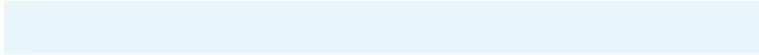
90.2002, 0.3177, 0.3241



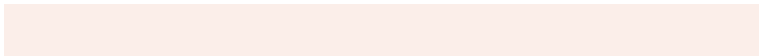
90.2002, 0.3189, 0.3390

Complementary

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



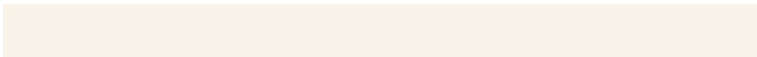
90.2002, 0.3016, 0.3240



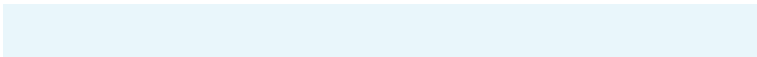
87.5026, 0.3245, 0.3339

Split Complementary

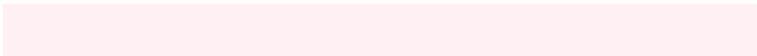
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2002, 0.3228, 0.3376



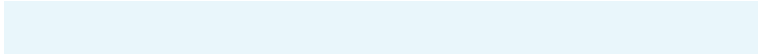
90.2002, 0.3016, 0.3240



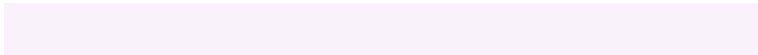
90.2002, 0.3221, 0.3290

Square

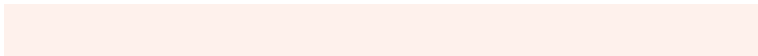
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.2002, 0.3016, 0.3240



90.2002, 0.3120, 0.3205



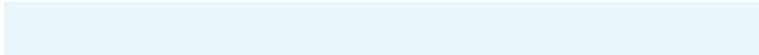
90.2002, 0.3240, 0.3339



90.2002, 0.3133, 0.3377

Rectangle

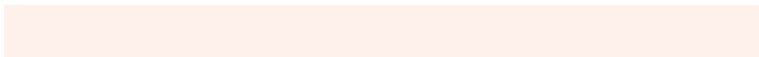
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.2002, 0.3016, 0.3240



90.2002, 0.3050, 0.3193



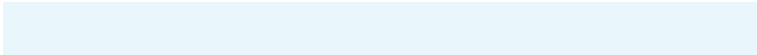
90.2002, 0.3240, 0.3339



90.2002, 0.3204, 0.3388

Sweetspot

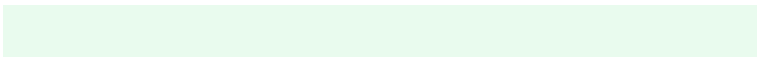
The Sweet Spot groups the original color and five complimentary colors.



90.2040, 0.3016, 0.3240



98.1515, 0.3096, 0.3276



92.4603, 0.3091, 0.3423



21.0279, 0.3098, 0.3277



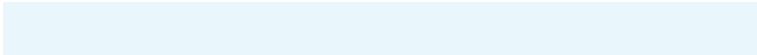
0.0000, 0.0000, 0.0000



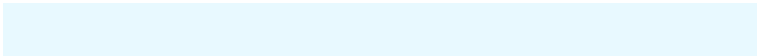
21.4041, 0.3127, 0.3290

Same Dimension

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



90.2040, 0.3016, 0.3240



91.9326, 0.2987, 0.3227



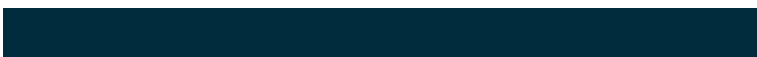
84.9560, 0.3017, 0.3151



18.7517, 0.2980, 0.3223



21.4575, 0.1991, 0.2366



2.1647, 0.2025, 0.2490

Inverse Universe

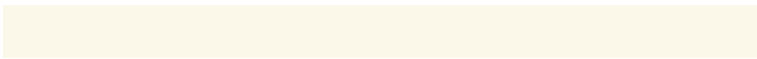
The Inverse Universe completely reimagines the original color for something new.



85.4260, 0.3167, 0.3162



85.8205, 0.3177, 0.3129



92.7726, 0.3237, 0.3426



17.4381, 0.3180, 0.3120



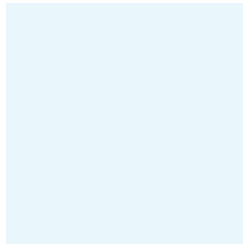
12.5771, 0.4057, 0.2009



1.1828, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 90.2002, 0.3016, 0.3240 looks on a white background.

Color Contrast Check

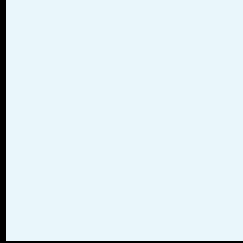
Large Text (above 18pt) WCAG AA × Fail

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 90.2002, 0.3016, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

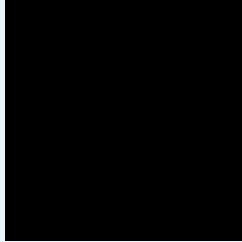
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

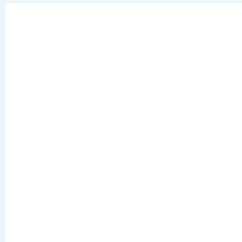
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2002, 0.3016, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 90.2002, 0.3016, 0.3240.

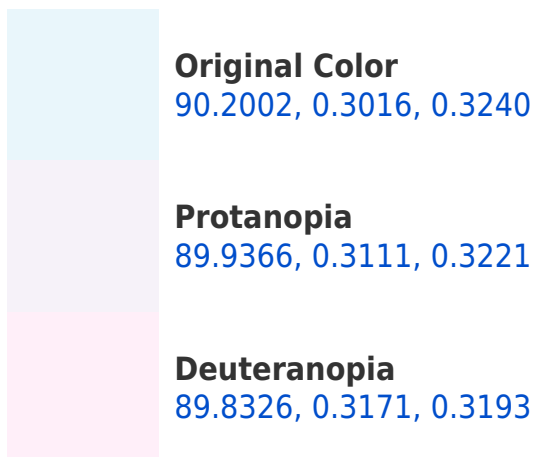


This preview shows how white text looks on a background with the Yxy color 90.2002, 0.3016, 0.3240.

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

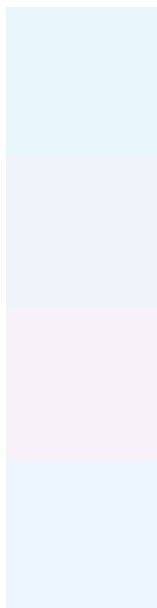




Tritanopia

90.2721, 0.3031, 0.3181

Trichromacy



Original Color

90.2002, 0.3016, 0.3240

Protanomaly

89.7041, 0.3073, 0.3221

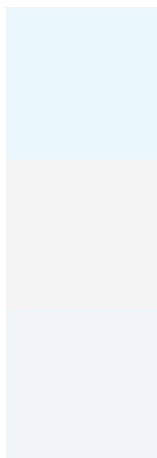
Deuteranomaly

90.1805, 0.3111, 0.3212

Tritanomaly

90.4651, 0.3024, 0.3201

Monochromacy



Original Color

90.2002, 0.3016, 0.3240

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.7059, 0.3083, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2002, 0.3016, 0.3240 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(233, 246, 251)` looks like.

```
.text, #text, p{  
    color:rgb(233, 246, 251)  
}
```

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(233, 246, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 246, 251) }
```

Border

The CSS property to change the border of an element to Yxy 90.2002, 0.3016, 0.3240 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(233, 246, 251) }
```

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

```
.border{ border-color:rgb(233, 246, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 246, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 246, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 246, 251); box-shadow:4px 4px 4px 4px rgb(233, 246, 251) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2002, 0.3016, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 246, 251) }
```

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

```
.background{ background-color: rgb(233,  
246, 251) }
```

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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