

# Converting Colors

$Yxy(90.2527, 0.3061, 0.3226)$

Have a look what the booklet for  
Yxy(90.2527, 0.3061, 0.3226)  
contains.

<b>Yxy(90.1917, 0.3060, 0.3221)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(90.1917, 0.3060, 0.3221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F4FB
RGB	240, 244, 251
RGB Percent	94%, 96%, 98%
CMY	0.0590, 0.0431, 0.0158
CMYK	0.04, 0.03, 0.00, 0.02
HSL	218°, 58%, 96%
HSV	218°, 4%, 98%
XYZ	85.6835, 90.1917, 104.1363
YIQ	243.6020, -4.6310, 1.3290

# Conversions

## Conversions Part 2

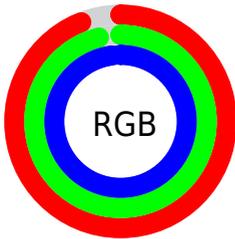
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 243, 251
Decimal	15791355
CIE <sub>Lab</sub>	96.08, -0.08, -3.82
CIE <sub>LCh</sub>	96, 3.816, 268.844
Yxy	90.1917, 0.3060, 0.3221
Android (android.graphics.Color)	4293981435 (0xFFFF0F4FB)
YUV	243.6020, 3.6472, -3.1590
Hunter-Lab	94.9693, -5.1495, 1.4655

# Details

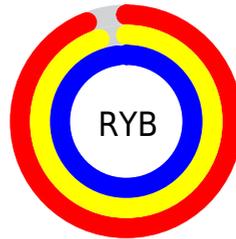
The Yxy color **90.1917, 0.3060, 0.3221** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **93.2585, 0.3195, 0.3358**, and the grayscale version is **90.1021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0969, 0.3042, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **76.9780, 0.2899, 0.3050**, and if you desaturate by 10%, it is **99.7434, 0.3150, 0.3328**.

# Distribution



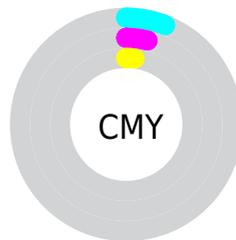
- Red (94%)
- Green (96%)
- Blue (98%)



- Red (94%)
- Yellow (95%)
- Blue (98%)



- Cyan (4%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (6%)
- Magenta (4%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1917, 0.3060, 0.3221 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 90.1917, 0.3060, 0.3221 by changing the saturation by 10% instead.



 90.1917, 0.3060,  
0.3221

 90.1917, 0.3060,  
0.3221

528.6542, 0.3090,  
0.3252

 68.1396, 0.3053,  
0.3214

147.6046, 0.3070,  
0.3231

 50.0114, 0.3045,  
0.3206

183.7343, 0.3074,  
0.3236

 35.4224, 0.3035,  
0.3196

225.3253, 0.3078,  
0.3239

 23.9885, 0.3023,  
0.3183

272.7621, 0.3081,  
0.3242

 15.3251, 0.3006,  
0.3165

326.4290, 0.3083,  
0.3245

 9.0478, 0.2983,  
0.3142

386.7103, 0.3086,

 4.7724, 0.2949,

0.3248

0.3106

453.9906, 0.3088,  
0.3250

■ 2.1143, 0.2894,  
0.3050

■ 0.6727, 0.2760,  
0.2912

■ 90.1917, 0.3060,  
0.3221

■ 90.1917, 0.3060,  
0.3221

■ 76.9780, 0.2899,  
0.3050

99.7434, 0.3150,  
0.3328

■ 65.1415, 0.2730,  
0.2858

■ 54.6382, 0.2554,  
0.2648

■ 45.4174, 0.2377,  
0.2420

■ 37.4248, 0.2203,  
0.2179

■ 30.6016, 0.2040,  
0.1932

■ 24.8833, 0.1896,  
0.1688

■ 20.1979, 0.1777,  
0.1456

■ 16.4609, 0.1689,  
0.1247

# Harmonies

## Analogous

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



90.1917, 0.3044, 0.3243



90.1917, 0.3060, 0.3221



90.1917, 0.3094, 0.3218

# Triad

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



90.1917, 0.3060, 0.3221



90.1917, 0.3204, 0.3302



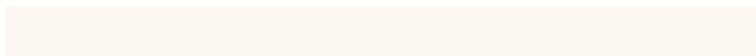
90.1917, 0.3118, 0.3348

# Complementary

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



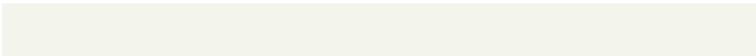
90.1917, 0.3060, 0.3221



93.2585, 0.3195, 0.3358

# 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.



90.1917, 0.3161, 0.3364



90.1917, 0.3060, 0.3221



90.1917, 0.3211, 0.3337

# Square

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



90.1917, 0.3060, 0.3221



90.1917, 0.3177, 0.3264



90.1917, 0.3195, 0.3360



90.1917, 0.3078, 0.3316



# Rectangle

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



90.1917, 0.3060, 0.3221



90.1917, 0.3122, 0.3226



90.1917, 0.3195, 0.3360



90.1917, 0.3132, 0.3355

# Sweetspot

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



90.1955, 0.3060, 0.3221



98.4972, 0.3112, 0.3275



94.1955, 0.3083, 0.3332



21.0983, 0.3113, 0.3275



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.



90.1955, 0.3060, 0.3221



92.6354, 0.3050, 0.3211



88.0014, 0.3069, 0.3181



18.7785, 0.3040, 0.3200



7.9953, 0.1659, 0.1172



0.9354, 0.1725, 0.1408



# Inverse Universe

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



89.3319, 0.3175, 0.3250



91.6258, 0.3182, 0.3245



95.5330, 0.3184, 0.3398



18.5460, 0.3190, 0.3238



11.2180, 0.5507, 0.2807



1.0587, 0.5181, 0.2627



# Previews

## White Background



This preview shows how the Yxy color 90.1917, 0.3060, 0.3221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

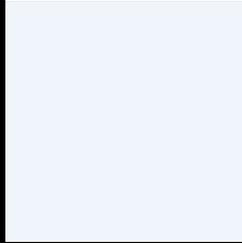
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.1917, 0.3060, 0.3221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

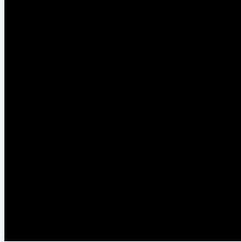
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

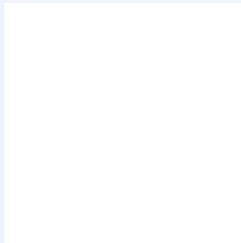
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.1917, 0.3060, 0.3221**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.1917, 0.3060, 0.3221.



This preview shows how white text looks on a background with the Yxy color 90.1917, 0.3060, 0.3221.

# 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

90.1917, 0.3060, 0.3221

### Protanopia

89.9992, 0.3105, 0.3211

### Deuteranopia

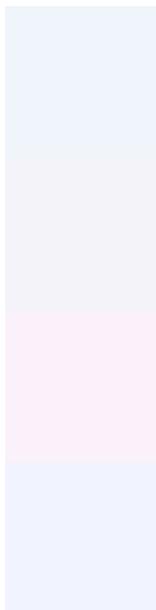
89.8326, 0.3171, 0.3193



## Tritanopia

90.1984, 0.3050, 0.3172

# Trichromacy



## Original Color

90.1917, 0.3060, 0.3221

## Protanomaly

90.2364, 0.3092, 0.3221

## Deuteranomaly

90.1367, 0.3131, 0.3202

## Tritanomaly

89.9577, 0.3049, 0.3181

# Monochromacy



## Original Color

90.1917, 0.3060, 0.3221

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.4715, 0.3103, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.1917, 0.3060, 0.3221 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, 244, 251)` looks like.

```
.text, #text, p{  
    color:rgb(240, 244, 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(240, 244, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 244, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 90.1917, 0.3060, 0.3221 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, 244, 251) }
```

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

```
.border{ border-color:rgb(240, 244, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 244, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 244, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 244, 251);  
box-shadow:4px 4px 4px 4px rgb(240, 244,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.1917, 0.3060, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 244, 251) }
```

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

```
.background{ background-color: rgb(240,  
244, 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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