

# Converting Colors

$Y_{xy}(10.8111, 0.1616, 0.0886)$

Have a look what the booklet for  
Yxy(10.8111, 0.1616, 0.0886)  
contains.

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# Color

**Yxy(10.8145, 0.1616, 0.0886)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	233FFA
RGB	35, 63, 250
RGB Percent	14%, 25%, 98%
CMY	0.8635, 0.7529, 0.0195
CMYK	0.86, 0.75, 0.00, 0.02
HSL	232°, 96%, 56%
HSV	232°, 86%, 98%
XYZ	19.7249, 10.8145, 91.5205
YIQ	75.9460, -76.7150, 52.2210

# Conversions

## Conversions Part 2

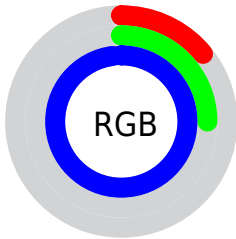
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	35, 60, 250
Decimal	2310138
CIE Lab	39.27, 57.81, -93.46
CIE LCh	39, 109.895, 301.738
Yxy	10.8145, 0.1616, 0.0886
Android (android.graphics.Color)	4280500218 (0xFF233FFA)
YUV	75.9460, 85.8086, -35.9096
Hunter-Lab	32.8854, 49.5159, -141.9849

# Details

The Yxy color **10.8145, 0.1616, 0.0886** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **72.6003, 0.4372, 0.4823**, and the grayscale version is **7.0590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.3153, 0.2109, 0.1524**, and **4.1764, 0.1515, 0.0652** is the 20% darker color. If you saturate the color by 10%, you get **8.5734, 0.1542, 0.0727**, and if you desaturate by 10%, it is **14.3149, 0.1736, 0.1112**.

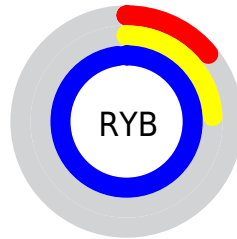
# Distribution



 Red (14%)

 Green (25%)

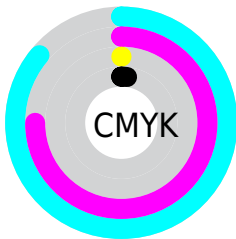
 Blue (98%)




 Red (14%)

 Yellow (24%)

 Blue (98%)

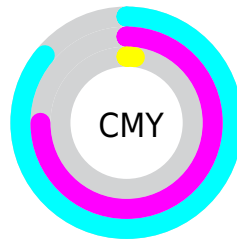


 Cyan (86%)

 Magenta (75%)

 Yellow (0%)

 Black (2%)



 Cyan (86%)

 Magenta (75%)


 Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8145, 0.1616, 0.0886 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 10.8145, 0.1616, 0.0886 by changing the saturation by 10% instead.





 10.8145, 0.1616,  
0.0886


 10.8145, 0.1616,  
0.0886


196.3905, 0.2449,  
0.1977


 5.9422, 0.1416,  
0.0684


 27.3166, 0.1920,  
0.1235


 2.8100, 0.1175,  
0.0470


 39.7153, 0.2035,  
0.1381


 1.0334, 0.0890,  
0.0261

 55.3915, 0.2133,  
0.1511

 0.0000, 0.0578,  
0.0000

 74.7298, 0.2215,  
0.1627

 0.0000, 0.0188,  
0.0000

 98.1144, 0.2287,  
0.1729

 0.0000, 0.0000,  
0.0000

 125.9298, 0.2348,

0.1821

158.5603, 0.2402,  
0.1903

■ 10.8145, 0.1616,  
0.0886

■ 10.8145, 0.1616,  
0.0886

■ 8.5734, 0.1542,  
0.0727

■ 14.3149, 0.1736,  
0.1112

■ 7.9797, 0.1523,  
0.0683

■ 19.2308, 0.1895,  
0.1391

■ 25.6955, 0.2082,  
0.1703

■ 33.8262, 0.2283,  
0.2026

■ 43.7288, 0.2487,  
0.2343

■ 55.5002, 0.2683,  
0.2642

■ 69.2302, 0.2867,  
0.2914

■ 85.0030, 0.3034,  
0.3157

■ 99.6845, 0.3156,  
0.3337

# Harmonies

## Analogous

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



10.8145, 0.0771, 0.0778



10.8145, 0.1616, 0.0886



10.8145, 0.3448, 0.1304

# Triad

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



10.8145, 0.1616, 0.0886



10.8145, 0.6323, 0.3677



10.8145, 0.0631, 0.4245

# Complementary

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



10.8145, 0.1616, 0.0886



72.6003, 0.4372, 0.4823

# 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.



10.8145, 0.1529, 0.7688



10.8145, 0.1616, 0.0886



10.8145, 0.4767, 0.5233

# Square

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



10.8145, 0.1616, 0.0886



10.8145, 0.7069, 0.2755



10.8145, 0.2922, 0.7078



10.8145, 0.0372, 0.1745



# Rectangle

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



10.8145, 0.1616, 0.0886



10.8145, 0.5187, 0.1766



10.8145, 0.2922, 0.7078



10.8145, 0.0855, 0.5603

# Sweetspot

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



10.8146, 0.1616, 0.0886



58.1105, 0.2685, 0.2643



73.9867, 0.2371, 0.3656



11.4750, 0.2618, 0.2543



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.



10.8146, 0.1616, 0.0886



8.3314, 0.1523, 0.0682



11.6534, 0.1937, 0.0912



17.0096, 0.2979, 0.3077



4.3451, 0.1528, 0.0699



0.5132, 0.1573, 0.0864



# Inverse Universe

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



21.8802, 0.5882, 0.3145



21.3722, 0.6263, 0.3224



77.1855, 0.3607, 0.5425



17.2622, 0.3273, 0.3259



10.8495, 0.6234, 0.3208



1.0160, 0.5968, 0.3061



# Previews

## White Background



This preview shows how the Yxy color 10.8145, 0.1616, 0.0886 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

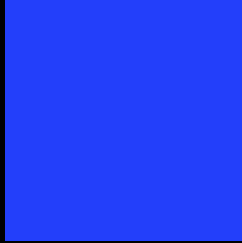
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 10.8145, 0.1616, 0.0886 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

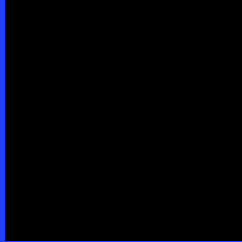
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 10.8145, 0.1616, 0.0886**

## **Background**



This preview shows how black text looks on a background with the Yxy color 10.8145, 0.1616, 0.0886.



This preview shows how white text looks on a background with the Yxy color 10.8145, 0.1616, 0.0886.

# 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

10.8145, 0.1616, 0.0886

### Protanopia

10.4822, 0.1749, 0.1497

### Deuteranopia

10.4740, 0.1867, 0.1922



## Tritanopia

10.5643, 0.2209, 0.3151

# Trichromacy



## Original Color

10.8145, 0.1616, 0.0886

## Protanomaly

10.2810, 0.1677, 0.1191

## Deuteranomaly

10.0337, 0.1729, 0.1370

## Tritanomaly

9.5682, 0.1849, 0.1785

# Monochromacy



## Original Color

10.8145, 0.1616, 0.0886

## Achromatopsia

7.2272, 0.3127, 0.3290

## Achromatomaly

7.3627, 0.2125, 0.1771

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 10.8145, 0.1616, 0.0886 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(35, 63, 250)` looks like.

```
.text, #text, p{  
    color:rgb(35, 63, 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(35, 63, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 63, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 10.8145, 0.1616, 0.0886 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(35, 63, 250) }
```

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

```
.border{ border-color:rgb(35, 63, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 63, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 63, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 63, 250);  
box-shadow:4px 4px 4px 4px rgb(35, 63,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 10.8145, 0.1616, 0.0886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 63, 250) }
```

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

```
.background{ background-color: rgb(35, 63,  
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](#).

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