

# Converting Colors

$Y_{xy}(10.3320, 0.1712, 0.0809)$

Have a look what the booklet for  
Yxy(10.3320, 0.1712, 0.0809)  
contains.

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**Color**

**Yxy(10.3154, 0.1713, 0.0808)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D28FF
RGB	77, 40, 255
RGB Percent	30%, 16%, 100%
CMY	0.6984, 0.8431, 0.0000
CMYK	0.70, 0.84, 0.00, 0.00
HSL	250°, 100%, 58%
HSV	250°, 84%, 100%
XYZ	21.8692, 10.3154, 95.4813
YIQ	75.5730, -46.9630, 74.7090

# Conversions

## Conversions Part 2

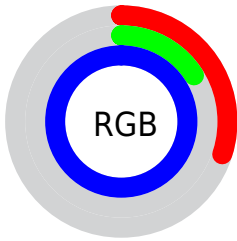
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	77, 40, 255
Decimal	5056767
CIE Lab	38.40, 71.89, -97.64
CIE LCh	38, 121.247, 306.365
Yxy	10.3154, 0.1713, 0.0808
Android (android.graphics.Color)	4283246847 (0xFF4D28FF)
YUV	75.5730, 88.4575, 1.2515
Hunter-Lab	32.1176, 65.3365, -153.7789

# Details

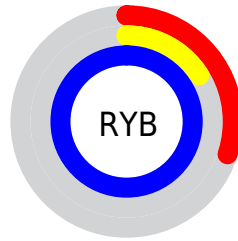
The Yxy color **10.3154, 0.1713, 0.0808** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **86.5932, 0.3898, 0.5186**, and the grayscale version is **6.9854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **21.8884, 0.2260, 0.1425**, and **3.9855, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.3829, 0.1607, 0.0679**, and if you desaturate by 10%, it is **13.6586, 0.1858, 0.1015**.

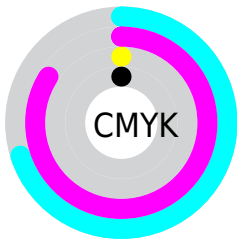
# Distribution



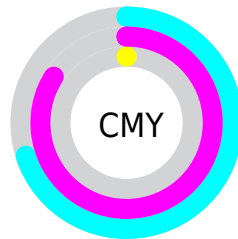
- Red (30%)
- Green (16%)
- Blue (100%)



- Red (30%)
- Yellow (16%)
- Blue (100%)



- Cyan (70%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (84%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 10.3154, 0.1713, 0.0808 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 10.3154, 0.1713, 0.0808 by changing the saturation by 10% instead.





 10.3154, 0.1713,  
0.0808


 10.3154, 0.1713,  
0.0808


192.9085, 0.2510,  
0.1902

 5.6086, 0.1518,  
0.0613


 26.3871, 0.2006,  
0.1151


 2.6086, 0.1281,  
0.0412


 38.5207, 0.2117,  
0.1297


 0.9310, 0.0999,  
0.0220

 53.8987, 0.2210,  
0.1427

 0.0000, 0.0682,  
0.0000

 72.9055, 0.2289,  
0.1544

 0.0000, 0.0326,  
0.0000

 95.9255, 0.2356,  
0.1648

 0.0000, 0.0000,  
0.0000

 123.3431, 0.2414,

0.1742

155.5426, 0.2465,  
0.1826

■ 10.3154, 0.1713,  
0.0808

■ 10.3154, 0.1713,  
0.0808

■ 8.3829, 0.1607,  
0.0679

■ 13.6586, 0.1858,  
0.1015

■ 7.7505, 0.1565,  
0.0636

■ 18.6378, 0.2033,  
0.1288

■ 25.4296, 0.2225,  
0.1606

■ 34.1893, 0.2420,  
0.1946

■ 45.0554, 0.2608,  
0.2287

■ 58.1539, 0.2781,  
0.2612

■ 73.6006, 0.2937,  
0.2912

■ 91.5033, 0.3074,  
0.3183

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



10.3154, 0.0744, 0.0662



10.3154, 0.1713, 0.0808



10.3154, 0.3874, 0.1273

# Triad

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



10.3154, 0.1713, 0.0808



10.3154, 0.6258, 0.3742



10.3154, 0.0399, 0.3654

# Complementary

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



10.3154, 0.1713, 0.0808



86.5932, 0.3898, 0.5186

# 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.



10.3154, 0.1099, 0.7934



10.3154, 0.1713, 0.0808



10.3154, 0.4433, 0.5567

# Square

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



10.3154, 0.1713, 0.0808



10.3154, 0.7298, 0.2702



10.3154, 0.2406, 0.7594



10.3154, 0.0263, 0.1391



# Rectangle

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



10.3154, 0.1713, 0.0808



10.3154, 0.5819, 0.1757



10.3154, 0.2406, 0.7594



10.3154, 0.0553, 0.5128

# Sweetspot

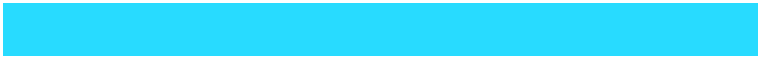
The Sweet Spot groups the original color and five complimentary colors.



10.3128, 0.1713, 0.0808



57.1743, 0.2770, 0.2590



58.4225, 0.2148, 0.2832



11.2087, 0.2710, 0.2478



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.



10.3128, 0.1713, 0.0808



7.7505, 0.1565, 0.0636



18.8471, 0.2503, 0.1228



17.5276, 0.3005, 0.3046



4.0932, 0.1575, 0.0641



0.4381, 0.1666, 0.0691



# Inverse Universe

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



27.8453, 0.3611, 0.1839



25.9745, 0.3708, 0.1816



75.0967, 0.3238, 0.5684



18.2437, 0.3164, 0.3095



13.5919, 0.3699, 0.1811

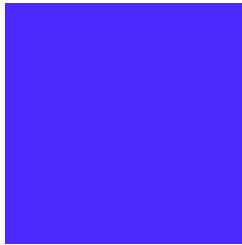


1.3369, 0.3633, 0.1775



# Previews

## White Background



This preview shows how the Yxy color 10.3154, 0.1713, 0.0808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

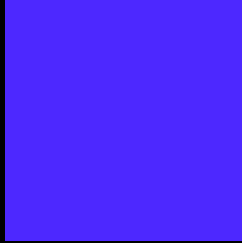
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 10.3154, 0.1713, 0.0808 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

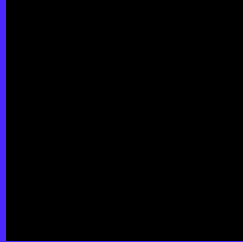
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 10.3154, 0.1713, 0.0808**

## **Background**



This preview shows how black text looks on a background with the Yxy color 10.3154, 0.1713, 0.0808.



This preview shows how white text looks on a background with the Yxy color 10.3154, 0.1713, 0.0808.

# 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

10.3154, 0.1713, 0.0808

### Protanopia

10.0330, 0.1747, 0.1489

### Deuteranopia

9.9874, 0.1871, 0.1934



## Tritanopia

9.9643, 0.2193, 0.3093

# Trichromacy



## Original Color

10.3154, 0.1713, 0.0808

## Protanomaly

9.1066, 0.1669, 0.1077

## Deuteranomaly

8.7736, 0.1718, 0.1229

## Tritanomaly

8.2337, 0.1832, 0.1580

# Monochromacy



## Original Color

10.3154, 0.1713, 0.0808

## Achromatopsia

7.2272, 0.3127, 0.3290

## Achromatomaly

7.0146, 0.2244, 0.1645

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 10.3154, 0.1713, 0.0808 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(77, 40, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 40, 255)  
}
```

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(77, 40, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 40, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 10.3154, 0.1713, 0.0808 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(77, 40, 255) }
```

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

```
.border{ border-color:rgb(77, 40, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 40, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 40, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 40, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 40,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 10.3154, 0.1713, 0.0808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 40, 255) }
```

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

```
.background{ background-color: rgb(77, 40,  
255) }
```

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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