

# Converting Colors

$Y_{xy}(14.2698, 0.2046, 0.1031)$

Have a look what the booklet for  
Yxy(14.2698, 0.2046, 0.1031)  
contains.

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**Color**

**Yxy(14.2548, 0.2044, 0.1030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8133FF
RGB	129, 51, 255
RGB Percent	51%, 20%, 100%
CMY	0.4940, 0.8001, 0.0001
CMYK	0.49, 0.80, 0.00, 0.00
HSL	263°, 100%, 60%
HSV	263°, 80%, 100%
XYZ	28.2882, 14.2548, 95.8532
YIQ	97.5780, -18.9960, 79.9800

# Conversions

## Conversions Part 2

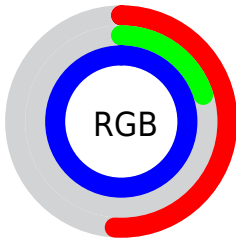
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	129, 51, 255
Decimal	8467455
CIE Lab	44.60, 72.64, -87.20
CIE LCh	45, 113.495, 309.794
Yxy	14.2548, 0.2044, 0.1030
Android (android.graphics.Color)	4286657535 (0xFF8133FF)
YUV	97.5780, 77.6090, 27.5571
Hunter-Lab	37.7555, 67.6682, -124.0957

# Details

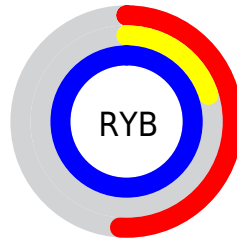
The Yxy color **14.2548, 0.2044, 0.1030** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **81.0869, 0.3596, 0.5353**, and the grayscale version is **11.9125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1516, 0.2623, 0.1693**, and **4.9919, 0.1704, 0.0712** is the 20% darker color. If you saturate the color by 10%, you get **11.4653, 0.1910, 0.0867**, and if you desaturate by 10%, it is **18.4542, 0.2194, 0.1254**.

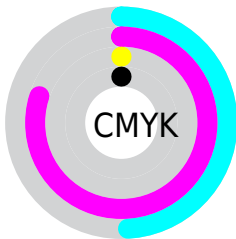
# Distribution



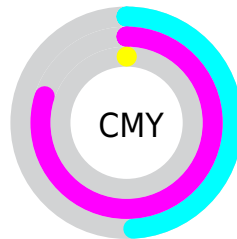
- Red (51%)
- Green (20%)
- Blue (100%)



- Red (51%)
- Yellow (20%)
- Blue (100%)



- Cyan (49%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (80%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2548, 0.2044, 0.1030 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 14.2548, 0.2044, 0.1030 by changing the saturation by 10% instead.





 14.2548, 0.2044,  
0.1030


 14.2548, 0.2044,  
0.1030


218.8102, 0.2665,  
0.2040


 8.2981, 0.1883,  
0.0836


 33.5405, 0.2278,  
0.1356


 4.2863, 0.1680,  
0.0624


 47.6382, 0.2365,  
0.1491

 1.8350, 0.1425,  
0.0402


 65.2184, 0.2437,  
0.1611

 0.5088, 0.1108,  
0.0176

 86.6655, 0.2497,  
0.1717

 0.0000, 0.0731,  
0.0000

 112.3638, 0.2549,  
0.1811

 0.0000, 0.0160,  
0.0000

 142.6978, 0.2593,

 0.0000, 0.0000,

0.1896

0.0000

178.0518, 0.2632,  
0.1972

■ 14.2548, 0.2044,  
0.1030

■ 14.2548, 0.2044,  
0.1030

■ 11.4653, 0.1910,  
0.0867

■ 18.4542, 0.2194,  
0.1254

■ 9.7910, 0.1798,  
0.0764

■ 24.2454, 0.2353,  
0.1525

■ 31.7827, 0.2511,  
0.1828

■ 41.2014, 0.2662,  
0.2143

■ 52.6230, 0.2801,  
0.2457

■ 66.1586, 0.2925,  
0.2756

■ 81.9109, 0.3034,  
0.3035

99.9758, 0.3127,  
0.3290

99.9989, 0.3127,  
0.3290

# Harmonies

## Analogous

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



14.2548, 0.0994, 0.0844



14.2548, 0.2044, 0.1030



14.2548, 0.4090, 0.1542

# Triad

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



14.2548, 0.2044, 0.1030



14.2548, 0.5911, 0.4089



14.2548, 0.0595, 0.3346

# Complementary

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



14.2548, 0.2044, 0.1030



81.0869, 0.3596, 0.5353

# 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.



14.2548, 0.1349, 0.6835



14.2548, 0.2044, 0.1030



14.2548, 0.4302, 0.5698

# Square

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



14.2548, 0.2044, 0.1030



14.2548, 0.6884, 0.3052



14.2548, 0.2634, 0.7366



14.2548, 0.0427, 0.1518



# Rectangle

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



14.2548, 0.2044, 0.1030



14.2548, 0.5717, 0.2038



14.2548, 0.2634, 0.7366



14.2548, 0.0765, 0.4448

# Sweetspot

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



14.2552, 0.2044, 0.1030



60.4994, 0.2878, 0.2639



40.6390, 0.2021, 0.2296



11.9300, 0.2833, 0.2531



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.



14.2552, 0.2044, 0.1030



10.3762, 0.1841, 0.0801



26.0437, 0.2938, 0.1496



17.7164, 0.3039, 0.3049



5.1959, 0.1815, 0.0773



0.5663, 0.1940, 0.0842



# Inverse Universe

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



26.7947, 0.4153, 0.2210



24.0666, 0.4432, 0.2231



73.3753, 0.3084, 0.5728



18.1756, 0.3197, 0.3144



12.4186, 0.4473, 0.2238

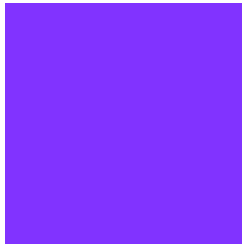


1.2305, 0.4290, 0.2137



# Previews

## White Background



This preview shows how the Yxy color 14.2548, 0.2044, 0.1030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

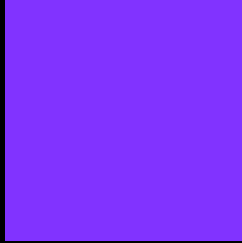
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 14.2548, 0.2044, 0.1030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

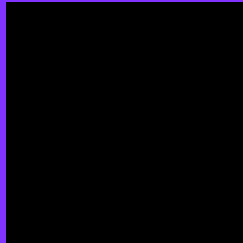
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 14.2548, 0.2044, 0.1030**

## Background



This preview shows how black text looks on a background with the Yxy color 14.2548, 0.2044, 0.1030.



This preview shows how white text looks on a background with the Yxy color 14.2548, 0.2044, 0.1030.

# 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

14.2548, 0.2044, 0.1030

### Protanopia

14.1624, 0.1741, 0.1469

### Deuteranopia

14.1440, 0.1858, 0.1890



## Tritanopia

14.1597, 0.2800, 0.3114

# Trichromacy



## Original Color

14.2548, 0.2044, 0.1030



## Protanomaly

12.4480, 0.1730, 0.1170



## Deuteranomaly

12.0242, 0.1790, 0.1337



## Tritanomaly

12.5495, 0.2410, 0.1879

# Monochromacy



## Original Color

14.2548, 0.2044, 0.1030



## Achromatopsia

12.2139, 0.3127, 0.3290



## Achromatomaly

11.5026, 0.2566, 0.1946

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.2548, 0.2044, 0.1030 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(129, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 51, 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(129, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 51, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 14.2548, 0.2044, 0.1030 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(129, 51, 255) }
```

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

```
.border{ border-color:rgb(129, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 51,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 14.2548, 0.2044, 0.1030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 51, 255) }
```

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

```
.background{ background-color: rgb(129, 51,  
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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