

Converting Colors

$Yxy(13.4136, 0.2017, 0.1067)$

Have a look what the booklet for
Yxy(13.4136, 0.2017, 0.1067)
contains.

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Color

Yxy(13.4093, 0.2016, 0.1068)

Conversions

Conversions Part 1

Format	Color
Hex	763AF4
RGB	118, 58, 244
RGB Percent	46%, 23%, 96%
CMY	0.5372, 0.7725, 0.0432
CMYK	0.52, 0.76, 0.00, 0.04
HSL	259°, 89%, 59%
HSV	259°, 76%, 96%
XYZ	25.3119, 13.4093, 86.8340
YIQ	97.1440, -23.9460, 70.5660

Conversions

Conversions Part 2

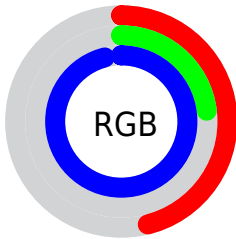
Format	Color
R _{YB}	118, 58, 244
Decimal	7748340
CIE _{Lab}	43.37, 65.77, -83.10
CIE _{LCh}	43, 105.976, 308.358
Yxy	13.4093, 0.2016, 0.1068
Android (android.graphics.Color)	4285938420 (0xFF763AF4)
YUV	97.1440, 72.4000, 18.2907
Hunter-Lab	36.6187, 59.3017, -114.9614

Details

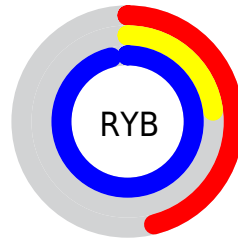
The Yxy color **13.4093, 0.2016, 0.1068** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **75.1905, 0.3677, 0.5229**, and the grayscale version is **11.8158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5116, 0.2524, 0.1687**, and **4.1495, 0.1648, 0.0681** is the 20% darker color. If you saturate the color by 10%, you get **10.4470, 0.1872, 0.0877**, and if you desaturate by 10%, it is **17.7391, 0.2178, 0.1319**.

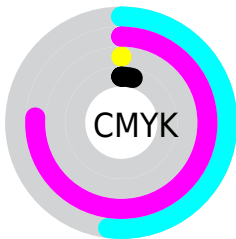
Distribution



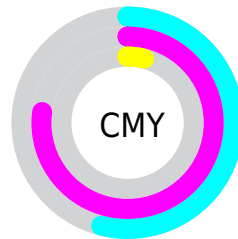
- Red (46%)
- Green (23%)
- Blue (96%)



- Red (46%)
- Yellow (23%)
- Blue (96%)



- Cyan (52%)
- Magenta (76%)
- Yellow (0%)
- Black (4%)





- Cyan (54%)
- Magenta (77%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4093, 0.2016, 0.1068 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 13.4093, 0.2016, 0.1068 by changing the saturation by 10% instead.


 13.4093, 0.2016,
0.1068


 13.4093, 0.2016,
0.1068


213.5244, 0.2655,
0.2087


 7.7110, 0.1848,
0.0867


 32.0372, 0.2259,
0.1402


 3.9106, 0.1636,
0.0644


 45.7355, 0.2348,
0.1539


 1.6237, 0.1367,
0.0410

 62.8694, 0.2422,
0.1660

 0.3735, 0.1035,
0.0153

 83.8231, 0.2484,
0.1766

 0.0000, 0.0640,
0.0000

 108.9810, 0.2537,
0.1860

 0.0000, 0.0000,
0.0000

138.7276, 0.2582,

0.1944

173.4473, 0.2621,
0.2019

■ 13.4093, 0.2016,
0.1068

■ 13.4093, 0.2016,
0.1068

■ 10.4470, 0.1872,
0.0877

■ 17.7391, 0.2178,
0.1319

■ 8.6598, 0.1754,
0.0753

■ 23.5907, 0.2348,
0.1613

■ 8.1809, 0.1715,
0.0719

■ 31.0980, 0.2516,
0.1931

■ 40.3795, 0.2676,
0.2254

■ 51.5424, 0.2822,
0.2568

64.6855, 0.2952,
0.2863

79.9005, 0.3065,
0.3134

97.2732, 0.3162,
0.3379

99.3111, 0.3191,
0.3396

Harmonies

Analogous

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



13.4093, 0.1015, 0.0896



13.4093, 0.2016, 0.1068



13.4093, 0.3946, 0.1563

Triad

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



13.4093, 0.2016, 0.1068



13.4093, 0.5928, 0.4072



13.4093, 0.0685, 0.3504

Complementary

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



13.4093, 0.2016, 0.1068



75.1905, 0.3677, 0.5229

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.



13.4093, 0.1496, 0.6764



13.4093, 0.2016, 0.1068



13.4093, 0.4410, 0.5590

Square

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



13.4093, 0.2016, 0.1068



13.4093, 0.6785, 0.3071



13.4093, 0.2805, 0.7195



13.4093, 0.0478, 0.1635

Rectangle

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



13.4093, 0.2016, 0.1068



13.4093, 0.5511, 0.2051



13.4093, 0.2805, 0.7195



13.4093, 0.0875, 0.4574

Sweetspot

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



13.4096, 0.2016, 0.1068



61.3459, 0.2865, 0.2664



42.1686, 0.2091, 0.2488



12.0674, 0.2816, 0.2554



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.



13.4096, 0.2016, 0.1068



10.4168, 0.1809, 0.0806



23.2438, 0.2857, 0.1496



16.1862, 0.3030, 0.3049



4.5138, 0.1730, 0.0727



0.4498, 0.1864, 0.0800

Inverse Universe

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



25.7185, 0.3923, 0.2126



25.1719, 0.4134, 0.2090



67.2817, 0.3132, 0.5615



16.6720, 0.3187, 0.3131



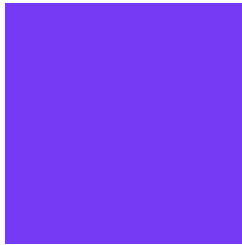
11.9668, 0.4233, 0.2105



1.0705, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 13.4093, 0.2016, 0.1068 looks on a white background.

Color Contrast Check

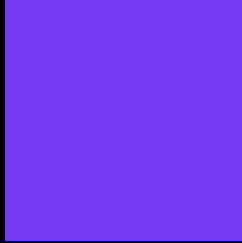
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4093, 0.2016, 0.1068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

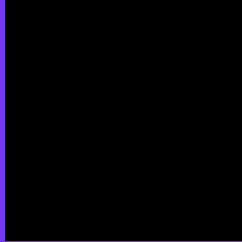
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4093, 0.2016, 0.1068

Background



This preview shows how black text looks on a background with the Yxy color 13.4093, 0.2016, 0.1068.



This preview shows how white text looks on a background with the Yxy color 13.4093, 0.2016, 0.1068.

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

13.4093, 0.2016, 0.1068

Protanopia

13.4777, 0.1746, 0.1485

Deuteranopia

13.3175, 0.1859, 0.1892



Tritanopia

13.4155, 0.2680, 0.3106

Trichromacy



Original Color

13.4093, 0.2016, 0.1068



Protanomaly

12.0747, 0.1737, 0.1218



Deuteranomaly

11.7573, 0.1798, 0.1395



Tritanomaly

12.0805, 0.2340, 0.1935

Monochromacy



Original Color

13.4093, 0.2016, 0.1068



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.3918, 0.2571, 0.2030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4093, 0.2016, 0.1068 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(118, 58, 244)` looks like.

```
.text, #text, p{  
  color:rgb(118, 58, 244)  
}
```

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(118, 58, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 58, 244) }
```

Border

The CSS property to change the border of an element to Yxy 13.4093, 0.2016, 0.1068 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(118, 58, 244) }
```

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

```
.border{ border-color:rgb(118, 58, 244) }
```

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

Here you see how a box with a 4 pixel rgb(118, 58, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 58, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 58, 244);  
box-shadow:4px 4px 4px 4px rgb(118, 58,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4093, 0.2016, 0.1068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 58, 244) }
```

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

```
.background{ background-color: rgb(118, 58,  
244) }
```

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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