

Converting Colors

$Y_{xy}(13.7021, 0.1909, 0.1080)$

Have a look what the booklet for
Yxy(13.7021, 0.1909, 0.1080)
contains.

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Color

Yxy(13.6768, 0.1910, 0.1082)

Conversions

Conversions Part 1

Format	Color
Hex	6545F6
RGB	101, 69, 246
RGB Percent	40%, 27%, 96%
CMY	0.6035, 0.7297, 0.0352
CMYK	0.59, 0.72, 0.00, 0.04
HSL	251°, 91%, 62%
HSV	251°, 72%, 96%
XYZ	24.1430, 13.6768, 88.5832
YIQ	98.7460, -37.7450, 61.8310

Conversions

Conversions Part 2

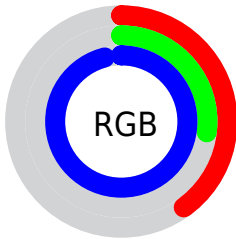
Format	Color
R _{YB}	101, 69, 246
Decimal	6637046
CIE Lab	43.77, 59.04, -83.66
CIE LCh	44, 102.399, 305.212
Yxy	13.6768, 0.1910, 0.1082
Android (android.graphics.Color)	4284827126 (0xFF6545F6)
YUV	98.7460, 72.5962, 1.9768
Hunter-Lab	36.9822, 51.8109, -116.1296

Details

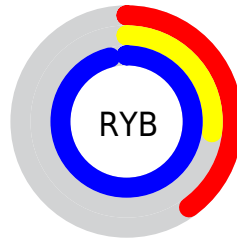
The Yxy color **13.6768, 0.1910, 0.1082** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **80.6337, 0.3851, 0.5031**, and the grayscale version is **12.2317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8941, 0.2414, 0.1727**, and **4.0014, 0.1515, 0.0655** is the 20% darker color. If you saturate the color by 10%, you get **10.2305, 0.1756, 0.0858**, and if you desaturate by 10%, it is **18.6616, 0.2090, 0.1367**.

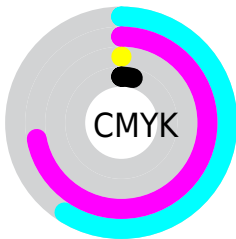
Distribution



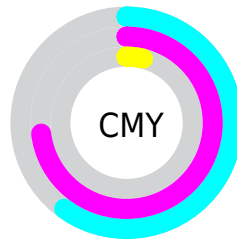
- Red (40%)
- Green (27%)
- Blue (96%)



- Red (40%)
- Yellow (27%)
- Blue (96%)



- Cyan (59%)
- Magenta (72%)
- Yellow (0%)
- Black (4%)





- Cyan (60%)
- Magenta (73%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6768, 0.1910, 0.1082 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 13.6768, 0.1910, 0.1082 by changing the saturation by 10% instead.


 13.6768, 0.1910,
0.1082


 13.6768, 0.1910,
0.1082


215.2108, 0.2595,
0.2100


 7.8962, 0.1735,
0.0880


 32.5144, 0.2166,
0.1417


 4.0286, 0.1517,
0.0657


 46.3403, 0.2261,
0.1554


 1.6896, 0.1245,
0.0421

 63.6167, 0.2341,
0.1674

 0.4169, 0.0916,
0.0167

 84.7281, 0.2408,
0.1780

 0.0000, 0.0538,
0.0000

 110.0588, 0.2465,
0.1874

 0.0000, 0.0000,
0.0000

139.9932, 0.2514,

0.1958

174.9157, 0.2557,
0.2032

■ 13.6768, 0.1910,
0.1082

■ 13.6768, 0.1910,
0.1082

■ 10.2305, 0.1756,
0.0858

■ 18.6616, 0.2090,
0.1367

■ 8.1340, 0.1639,
0.0709

■ 25.3413, 0.2282,
0.1691

■ 7.2074, 0.1573,
0.0640

■ 33.8534, 0.2474,
0.2031

■ 44.3213, 0.2656,
0.2368

■ 56.8573, 0.2824,
0.2686

71.5652, 0.2973,
0.2979

88.5418, 0.3103,
0.3241

99.4359, 0.3179,
0.3376

Harmonies

Analogous

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



13.6768, 0.0994, 0.0940



13.6768, 0.1910, 0.1082



13.6768, 0.3690, 0.1541

Triad

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



13.6768, 0.1910, 0.1082



13.6768, 0.6015, 0.3985



13.6768, 0.0800, 0.3816

Complementary

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



13.6768, 0.1910, 0.1082



80.6337, 0.3851, 0.5031

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.



13.6768, 0.1695, 0.6829



13.6768, 0.1910, 0.1082



13.6768, 0.4598, 0.5402

Square

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



13.6768, 0.1910, 0.1082



13.6768, 0.6707, 0.3035



13.6768, 0.3033, 0.6967



13.6768, 0.0529, 0.1808

Rectangle

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



13.6768, 0.1910, 0.1082



13.6768, 0.5205, 0.2012



13.6768, 0.3033, 0.6967



13.6768, 0.1022, 0.4880

Sweetspot

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



13.6771, 0.1910, 0.1082



61.5902, 0.2823, 0.2684



57.2954, 0.2222, 0.2908



12.3439, 0.2779, 0.2600



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.



13.6771, 0.1910, 0.1082



9.9822, 0.1702, 0.0786



21.4682, 0.2617, 0.1431



16.0715, 0.3007, 0.3047



3.8888, 0.1583, 0.0646



0.3810, 0.1689, 0.0704

Inverse Universe

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



28.6937, 0.3549, 0.1949



27.4172, 0.3649, 0.1848



70.9475, 0.3279, 0.5419



16.7136, 0.3166, 0.3098



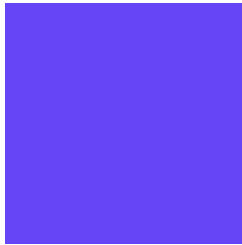
12.7353, 0.3730, 0.1829



1.1325, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 13.6768, 0.1910, 0.1082 looks on a white background.

Color Contrast Check

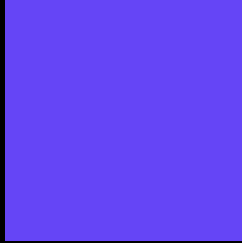
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6768, 0.1910, 0.1082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

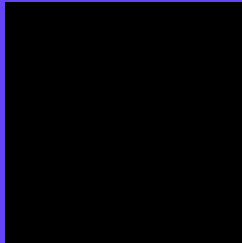
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.6768, 0.1910, 0.1082

Background



This preview shows how black text looks on a background with the Yxy color 13.6768, 0.1910, 0.1082.



This preview shows how white text looks on a background with the Yxy color 13.6768, 0.1910, 0.1082.

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

13.6768, 0.1910, 0.1082

Protanopia

13.5271, 0.1744, 0.1477

Deuteranopia

13.5627, 0.1861, 0.1899



Tritanopia

13.5732, 0.2360, 0.3074

Trichromacy



Original Color

13.6768, 0.1910, 0.1082



Protanomaly

12.6467, 0.1731, 0.1256



Deuteranomaly

12.5338, 0.1795, 0.1456



Tritanomaly

12.3122, 0.2109, 0.1941

Monochromacy



Original Color

13.6768, 0.1910, 0.1082



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.9558, 0.2501, 0.2075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6768, 0.1910, 0.1082 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(101, 69, 246)` looks like.

```
.text, #text, p{  
    color:rgb(101, 69, 246)  
}
```

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(101, 69, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 69, 246) }
```

Border

The CSS property to change the border of an element to Yxy 13.6768, 0.1910, 0.1082 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(101, 69, 246) }
```

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

```
.border{ border-color:rgb(101, 69, 246) }
```

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

Here you see how a box with a 4 pixel rgb(101, 69, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 69, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 69, 246);  
box-shadow:4px 4px 4px 4px rgb(101, 69,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6768, 0.1910, 0.1082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 69, 246) }
```

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

```
.background{ background-color: rgb(101, 69,  
246) }
```

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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