

Converting Colors

$Yxy(13.1204, 0.1897, 0.1021)$

Have a look what the booklet for
Yxy(13.1204, 0.1897, 0.1021)
contains.

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Color

Yxy(13.1684, 0.1901, 0.1025)

Conversions

Conversions Part 1

Format	Color
Hex	673EF9
RGB	103, 62, 249
RGB Percent	40%, 24%, 98%
CMY	0.5957, 0.7571, 0.0235
CMYK	0.59, 0.75, 0.00, 0.02
HSL	253°, 94%, 61%
HSV	253°, 75%, 98%
XYZ	24.4226, 13.1684, 90.8812
YIQ	95.5770, -35.5910, 66.8490

Conversions

Conversions Part 2

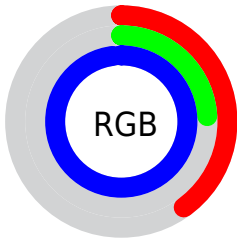
Format	Color
R _Y B	103, 62, 249
Decimal	6766329
CIE Lab	43.02, 63.49, -86.56
CIE LCh	43, 107.348, 306.262
Yxy	13.1684, 0.1901, 0.1025
Android (android.graphics.Color)	4284956409 (0xFF673EF9)
YUV	95.5770, 75.6375, 6.5100
Hunter-Lab	36.2883, 56.6287, -123.0854

Details

The Yxy color **13.1684, 0.1901, 0.1025** 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 **81.4930, 0.3812, 0.5116**, and the grayscale version is **11.4105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5795, 0.2428, 0.1665**, and **3.7962, 0.1504, 0.0605** is the 20% darker color. If you saturate the color by 10%, you get **10.0356, 0.1755, 0.0824**, and if you desaturate by 10%, it is **17.8075, 0.2073, 0.1291**.

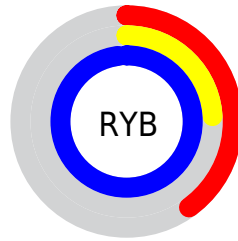
Distribution



Red (40%)

Green (24%)

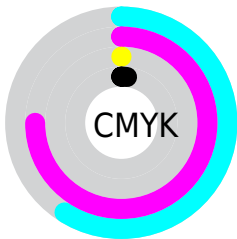
Blue (98%)



Red (40%)

Yellow (24%)

Blue (98%)

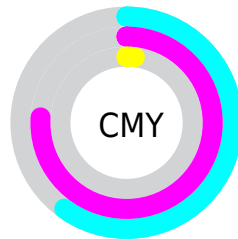


Cyan (59%)

Magenta (75%)

Yellow (0%)

Black (2%)



Cyan (60%)


Magenta (76%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1684, 0.1901, 0.1025 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 13.1684, 0.1901, 0.1025 by changing the saturation by 10% instead.

 13.1684, 0.1901,
0.1025


 13.1684, 0.1901,
0.1025


211.9941, 0.2593,
0.2056


 7.5446, 0.1725,
0.0825


 31.6060, 0.2160,
0.1361


 3.8050, 0.1505,
0.0606


 45.1886, 0.2256,
0.1499

 1.5651, 0.1233,
0.0379

 62.1929, 0.2336,
0.1621

 0.3339, 0.0907,
0.0129

 83.0033, 0.2404,
0.1729

 0.0000, 0.0533,
0.0000

 108.0043, 0.2462,
0.1825

 0.0000, 0.0000,
0.0000

137.5801, 0.2512,

0.1911

172.1153, 0.2555,
0.1987

■ 13.1684, 0.1901,
0.1025

■ 13.1684, 0.1901,
0.1025

■ 10.0356, 0.1755,
0.0824

■ 17.8075, 0.2073,
0.1291

■ 8.2045, 0.1644,
0.0697

■ 24.1190, 0.2258,
0.1601

■ 7.6454, 0.1603,
0.0657

■ 32.2475, 0.2445,
0.1934

■ 42.3216, 0.2625,
0.2269

■ 54.4579, 0.2790,
0.2592

■ 68.7638, 0.2938,
0.2891

■ 85.3391, 0.3068,
0.3162

■ 99.6199, 0.3162,
0.3347

Harmonies

Analogous

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



13.1684, 0.0950, 0.0873



13.1684, 0.1901, 0.1025



13.1684, 0.3790, 0.1497

Triad

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



13.1684, 0.1901, 0.1025



13.1684, 0.6035, 0.3965



13.1684, 0.0690, 0.3710

Complementary

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



13.1684, 0.1901, 0.1025



81.4930, 0.3812, 0.5116

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.



13.1684, 0.1539, 0.7008



13.1684, 0.1901, 0.1025



13.1684, 0.4521, 0.5479

Square

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



13.1684, 0.1901, 0.1025



13.1684, 0.6841, 0.2990



13.1684, 0.2865, 0.7135



13.1684, 0.0460, 0.1684

Rectangle

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



13.1684, 0.1901, 0.1025



13.1684, 0.5394, 0.1977



13.1684, 0.2865, 0.7135



13.1684, 0.0894, 0.4846

Sweetspot

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



13.1687, 0.1901, 0.1025



60.4495, 0.2823, 0.2656



53.2073, 0.2167, 0.2762



11.8545, 0.2766, 0.2544



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.



13.1687, 0.1901, 0.1025



9.4722, 0.1695, 0.0751



22.0166, 0.2678, 0.1418



16.8270, 0.3013, 0.3047



4.1428, 0.1615, 0.0663



0.4282, 0.1724, 0.0723

Inverse Universe

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



28.1284, 0.3659, 0.1973



26.3619, 0.3790, 0.1901



71.7435, 0.3222, 0.5529



17.4554, 0.3172, 0.3107



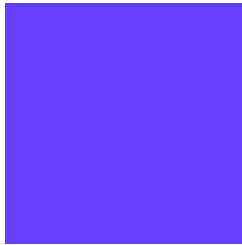
12.8934, 0.3859, 0.1899



1.2097, 0.3765, 0.1848

Previews

White Background



This preview shows how the Yxy color 13.1684, 0.1901, 0.1025 looks on a white background.

Color Contrast Check

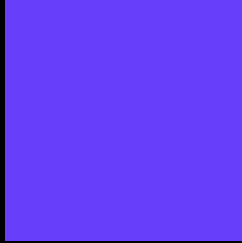
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1684, 0.1901, 0.1025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

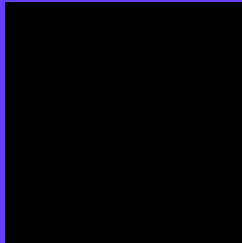
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1684, 0.1901, 0.1025

Background



This preview shows how black text looks on a background with the Yxy color 13.1684, 0.1901, 0.1025.

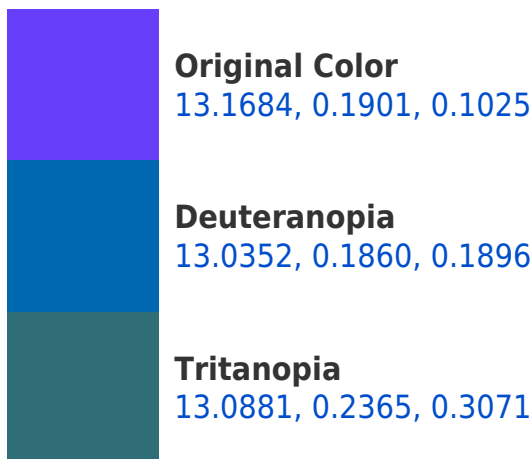


This preview shows how white text looks on a background with the Yxy color 13.1684, 0.1901, 0.1025.

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



Trichromacy



Original Color

13.1684, 0.1901, 0.1025

Deuteranomaly

11.8499, 0.1779, 0.1395

Tritanomaly

11.7752, 0.2096, 0.1883

Monochromacy



Original Color

13.1684, 0.1901, 0.1025

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.2603, 0.2480, 0.1997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1684, 0.1901, 0.1025 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(103, 62, 249)` looks like.

```
.text, #text, p{  
    color:rgb(103, 62, 249)  
}
```

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(103, 62, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 62, 249) }
```

Border

The CSS property to change the border of an element to Yxy 13.1684, 0.1901, 0.1025 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(103, 62, 249) }
```

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

```
.border{ border-color:rgb(103, 62, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 62, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 62, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 62, 249);  
box-shadow:4px 4px 4px 4px rgb(103, 62,  
249) }
```

Background

The CSS property to change the background color of an element to Yxy 13.1684, 0.1901, 0.1025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 62, 249) }
```

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

```
.background{ background-color: rgb(103, 62,  
249) }
```

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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