

Converting Colors

$Y_{xy}(10.0350, 0.1903, 0.0910)$

Have a look what the booklet for
Yxy(10.0350, 0.1903, 0.0910)
contains.

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Color

Yxy(10.0266, 0.1901, 0.0908)

Conversions

Conversions Part 1

Format	Color
Hex	6524EB
RGB	101, 36, 235
RGB Percent	40%, 14%, 92%
CMY	0.6038, 0.8588, 0.0785
CMYK	0.57, 0.85, 0.00, 0.08
HSL	260°, 83%, 53%
HSV	260°, 85%, 92%
XYZ	20.9918, 10.0266, 79.4067
YIQ	78.1210, -25.1390, 75.6690

Conversions

Conversions Part 2

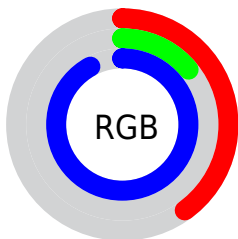
Format	Color
R _Y B	101, 36, 235
Decimal	6628587
CIE Lab	37.89, 69.95, -87.11
CIE LCh	38, 111.717, 308.764
Yxy	10.0266, 0.1901, 0.0908
Android (android.graphics.Color)	4284818667 (0xFF6524EB)
YUV	78.1210, 77.3413, 20.0649
Hunter-Lab	31.6648, 62.9211, -126.5178

Details

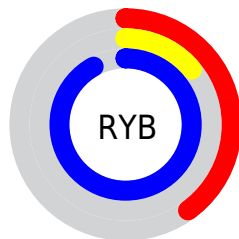
The Yxy color **10.0266, 0.1901, 0.0908** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **68.0699, 0.3668, 0.5359**, and the grayscale version is **7.4991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.0480, 0.2378, 0.1462**, and **3.2337, 0.1506, 0.0603** is the 20% darker color. If you saturate the color by 10%, you get **8.2131, 0.1778, 0.0773**, and if you desaturate by 10%, it is **12.9474, 0.2048, 0.1110**.

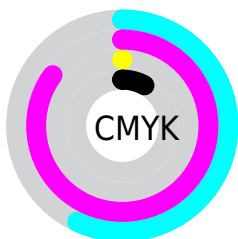
Distribution



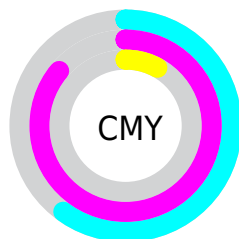
- Red (40%)
- Green (14%)
- Blue (92%)



- Red (40%)
- Yellow (14%)
- Blue (92%)



- Cyan (57%)
- Magenta (85%)
- Yellow (0%)
- Black (8%)




- Cyan (60%)
- Magenta (86%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0266, 0.1901, 0.0908 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 10.0266, 0.1901, 0.0908 by changing the saturation by 10% instead.

 10.0266, 0.1901,
0.0908


 10.0266, 0.1901,
0.0908


190.8618, 0.2622,
0.2002


 5.4166, 0.1710,
0.0700


 25.8455, 0.2177,
0.1262


 2.4937, 0.1471,
0.0478


 37.8232, 0.2277,
0.1410


 0.8735, 0.1172,
0.0260

 53.0256, 0.2361,
0.1540

 0.0000, 0.0819,
0.0000

 71.8371, 0.2431,
0.1654

 0.0000, 0.0371,
0.0000

 94.6421, 0.2490,
0.1756

 0.0000, 0.0000,
0.0000

 121.8249, 0.2540,

0.1847

153.7700, 0.2584,
0.1929

■ 10.0266, 0.1901,
0.0908

■ 10.0266, 0.1901,
0.0908

■ 8.2131, 0.1778,
0.0773

■ 12.9474, 0.2048,
0.1110

■ 7.5658, 0.1723,
0.0723

■ 17.1419, 0.2212,
0.1368

■ 22.7478, 0.2381,
0.1666

■ 29.8841, 0.2547,
0.1985

■ 38.6570, 0.2703,
0.2306

■ 49.1628, 0.2846,
0.2617

■ 61.4903, 0.2972,
0.2908

■ 75.7222, 0.3081,
0.3174

■ 91.9358, 0.3175,
0.3415

Harmonies

Analogous

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



10.0266, 0.0865, 0.0736



10.0266, 0.1901, 0.0908



10.0266, 0.4062, 0.1407

Triad

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



10.0266, 0.1901, 0.0908



10.0266, 0.6061, 0.3939



10.0266, 0.0467, 0.3400

Complementary

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



10.0266, 0.1901, 0.0908



68.0699, 0.3668, 0.5359

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.



10.0266, 0.1178, 0.7378



10.0266, 0.1901, 0.0908



10.0266, 0.4307, 0.5693

Square

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



10.0266, 0.1901, 0.0908



10.0266, 0.7119, 0.2881



10.0266, 0.2450, 0.7550



10.0266, 0.0327, 0.1409

Rectangle

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



10.0266, 0.1901, 0.0908



10.0266, 0.5865, 0.1900



10.0266, 0.2450, 0.7550



10.0266, 0.0622, 0.4674

Sweetspot

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



10.0268, 0.1901, 0.0908



58.6003, 0.2840, 0.2604



35.8641, 0.2028, 0.2387



11.5420, 0.2791, 0.2496



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.



10.0268, 0.1901, 0.0908



9.0743, 0.1719, 0.0721



19.3318, 0.2816, 0.1395



14.7879, 0.3031, 0.3050



4.2732, 0.1738, 0.0731



0.3860, 0.1888, 0.0814

Inverse Universe

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



21.8200, 0.4053, 0.2099



24.2257, 0.4273, 0.2128



60.9258, 0.3106, 0.5783



15.2252, 0.3188, 0.3133



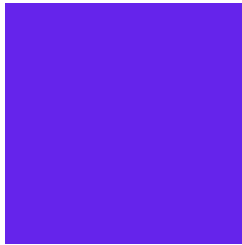
11.2320, 0.4246, 0.2113



0.8996, 0.4066, 0.2014

Previews

White Background



This preview shows how the Yxy color 10.0266, 0.1901, 0.0908 looks on a white background.

Color Contrast Check

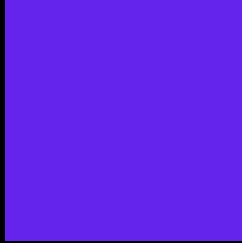
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0266, 0.1901, 0.0908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

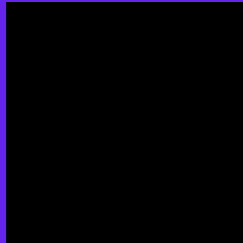
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0266, 0.1901, 0.0908

Background



This preview shows how black text looks on a background with the Yxy color 10.0266, 0.1901, 0.0908.



This preview shows how white text looks on a background with the Yxy color 10.0266, 0.1901, 0.0908.

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

10.0266, 0.1901, 0.0908

Protanopia

9.9918, 0.1750, 0.1498

Deuteranopia

9.9874, 0.1871, 0.1934



Tritanopia

10.0433, 0.2449, 0.3076

Trichromacy



Original Color

10.0266, 0.1901, 0.0908

Protanomaly

8.7446, 0.1707, 0.1116

Deuteranomaly

8.4469, 0.1765, 0.1282

Tritanomaly

8.4298, 0.2124, 0.1694

Monochromacy



Original Color

10.0266, 0.1901, 0.0908

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.2827, 0.2432, 0.1773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0266, 0.1901, 0.0908 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, 36, 235)` looks like.

```
.text, #text, p{  
    color:rgb(101, 36, 235)  
}
```

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, 36, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 36, 235) }
```

Border

The CSS property to change the border of an element to Yxy 10.0266, 0.1901, 0.0908 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, 36, 235) }
```

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

```
.border{ border-color:rgb(101, 36, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 36, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 36, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 36, 235);  
box-shadow:4px 4px 4px 4px rgb(101, 36,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0266, 0.1901, 0.0908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 36, 235) }
```

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

```
.background{ background-color: rgb(101, 36,  
235) }
```

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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