

Converting Colors

$Y_{xy}(19.3166, 0.1930, 0.1283)$

Have a look what the booklet for
Yxy(19.3166, 0.1930, 0.1283)
contains.

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Color

Yxy(18.8389, 0.1950, 0.1312)

Conversions

Conversions Part 1

Format	Color
Hex	6762FF
RGB	103, 98, 255
RGB Percent	40%, 38%, 100%
CMY	0.5964, 0.6155, 0.0001
CMYK	0.60, 0.62, 0.00, 0.00
HSL	242°, 100%, 69%
HSV	242°, 62%, 100%
XYZ	27.9999, 18.8389, 96.7504
YIQ	117.3930, -47.4170, 49.8870

Conversions

Conversions Part 2

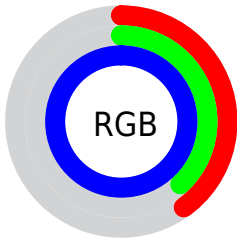
Format	Color
R _Y B	103, 98, 255
Decimal	6775551
CIE Lab	50.50, 46.06, -77.63
CIE LCh	50, 90.263, 300.685
Yxy	18.8389, 0.1950, 0.1312
Android (android.graphics.Color)	4284965631 (0xFF6762FF)
YUV	117.3930, 67.8403, -12.6227
Hunter-Lab	43.4038, 39.1941, -101.7793

Details

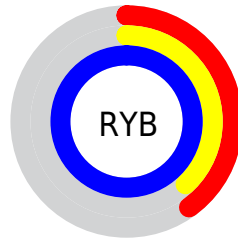
The Yxy color **18.8389, 0.1950, 0.1312** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **92.7339, 0.3959, 0.4742**, and the grayscale version is **17.7117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8219, 0.2464, 0.2038**, and **6.4770, 0.1599, 0.0908** is the 20% darker color. If you saturate the color by 10%, you get **13.5518, 0.1770, 0.1018**, and if you desaturate by 10%, it is **26.0775, 0.2155, 0.1651**.

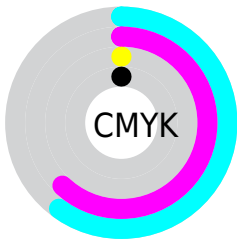
Distribution



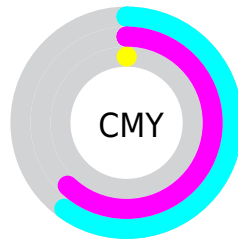
- Red (40%)
- Green (38%)
- Blue (100%)



- Red (40%)
- Yellow (38%)
- Blue (100%)



- Cyan (60%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8389, 0.1950, 0.1312 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 18.8389, 0.1950, 0.1312 by changing the saturation by 10% instead.


 18.8389, 0.1950,
0.1312


 18.8389, 0.1950,
0.1312


245.5580, 0.2584,
0.2230


 11.5539, 0.1793,
0.1122


 41.4617, 0.2183,
0.1619

 6.4407, 0.1597,
0.0903


 57.5683, 0.2270,
0.1743

 3.1149, 0.1352,
0.0658


 77.3843, 0.2344,
0.1851

 1.1920, 0.1049,
0.0399

 101.2940, 0.2407,
0.1946

 0.0552, 0.0698,
0.0031

129.6818, 0.2461,
0.2030

 0.0000, 0.0129,
0.0000

162.9321, 0.2507,

 0.0000, 0.0000,

0.2104

0.0000

201.4294, 0.2548,
0.2171

■ 18.8389, 0.1950,
0.1312

■ 18.8389, 0.1950,
0.1312

■ 13.5518, 0.1770,
0.1018

■ 26.0775, 0.2155,
0.1651

■ 10.0255, 0.1631,
0.0796

■ 35.4310, 0.2369,
0.2008

■ 8.0334, 0.1543,
0.0658

■ 47.0474, 0.2579,
0.2359

■ 7.2697, 0.1506,
0.0604

■ 61.0611, 0.2774,
0.2689

■ 77.5957, 0.2950,
0.2987

96.7666, 0.3105,
0.3252

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



18.8389, 0.1176, 0.1223



18.8389, 0.1950, 0.1312



18.8389, 0.3356, 0.1705

Triad

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



18.8389, 0.1950, 0.1312



18.8389, 0.5863, 0.4012



18.8389, 0.1260, 0.4123

Complementary

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



18.8389, 0.1950, 0.1312



92.7339, 0.3959, 0.4742

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.



18.8389, 0.2246, 0.6190



18.8389, 0.1950, 0.1312



18.8389, 0.4845, 0.5155

Square

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



18.8389, 0.1950, 0.1312



18.8389, 0.6127, 0.3141



18.8389, 0.3519, 0.6262



18.8389, 0.0844, 0.2290

Rectangle

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



18.8389, 0.1950, 0.1312



18.8389, 0.4553, 0.2127



18.8389, 0.3519, 0.6262



18.8389, 0.1530, 0.4915

Sweetspot

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



18.8394, 0.1950, 0.1312



66.6487, 0.2839, 0.2798



79.6670, 0.2372, 0.3257



13.2822, 0.2786, 0.2709



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.



18.8394, 0.1950, 0.1312



12.5352, 0.1732, 0.0956



25.5599, 0.2503, 0.1559



17.4046, 0.2983, 0.3044



3.8109, 0.1509, 0.0605



0.3801, 0.1531, 0.0617

Inverse Universe

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



36.9078, 0.3239, 0.1901



32.0403, 0.3259, 0.1731



81.3759, 0.3438, 0.5051



18.2901, 0.3143, 0.3063



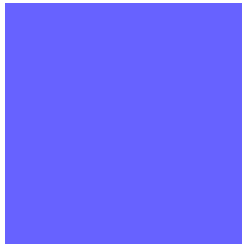
14.6250, 0.3288, 0.1585



1.4269, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 18.8389, 0.1950, 0.1312 looks on a white background.

Color Contrast Check

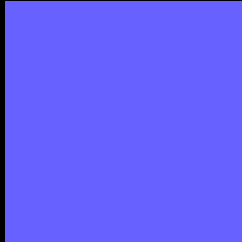
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.8389, 0.1950, 0.1312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

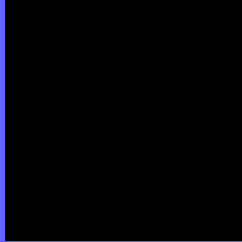
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8389, 0.1950, 0.1312

Background



This preview shows how black text looks on a background with the Yxy color 18.8389, 0.1950, 0.1312.

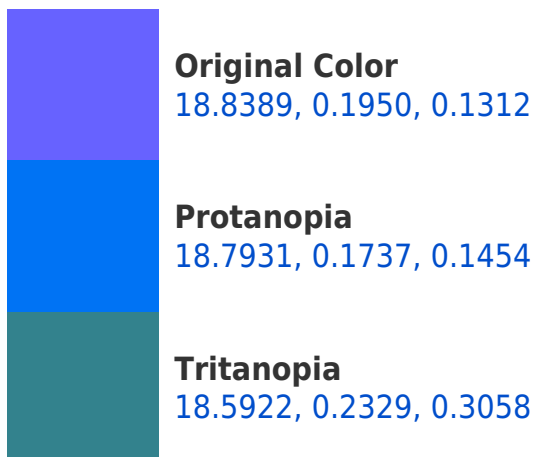


This preview shows how white text looks on a background with the Yxy color 18.8389, 0.1950, 0.1312.

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

18.8389, 0.1950, 0.1312

Protanomaly

18.1079, 0.1751, 0.1368

Tritanomaly

17.6364, 0.2132, 0.2155

Monochromacy



Original Color

18.8389, 0.1950, 0.1312

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3866, 0.2547, 0.2302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8389, 0.1950, 0.1312 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, 98, 255)` looks like.

```
.text, #text, p{  
  color:rgb(103, 98, 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(103, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 98, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.8389, 0.1950, 0.1312 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, 98, 255) }
```

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

```
.border{ border-color:rgb(103, 98, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 98, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 98,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 18.8389, 0.1950, 0.1312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 98, 255) }
```

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

```
.background{ background-color: rgb(103, 98,  
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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