

Converting Colors

$Y_{xy}(19.6910, 0.2017, 0.1493)$

Have a look what the booklet for
Yxy(19.6910, 0.2017, 0.1493)
contains.

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Color

Yxy(19.6910, 0.2017, 0.1493)

Conversions

Conversions Part 1

Format	Color
Hex	666BF1
RGB	102, 107, 241
RGB Percent	40%, 42%, 95%
CMY	0.6004, 0.5802, 0.0550
CMYK	0.58, 0.56, 0.00, 0.06
HSL	238°, 83%, 67%
HSV	238°, 58%, 94%
XYZ	26.6020, 19.6910, 85.5958
YIQ	120.7810, -45.9940, 40.6140

Conversions

Conversions Part 2

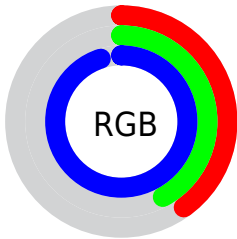
Format	Color
R _Y B	102, 107, 241
Decimal	6712305
CIE Lab	51.49, 36.17, -68.23
CIE LCh	51, 77.225, 297.931
Yxy	19.6910, 0.2017, 0.1493
Android (android.graphics.Color)	4284902385 (0xFF666BF1)
YUV	120.7810, 59.2680, -16.4709
Hunter-Lab	44.3745, 29.3530, -83.3047

Details

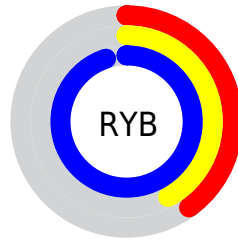
The Yxy color **19.6910, 0.2017, 0.1493** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **79.5485, 0.3979, 0.4613**, and the grayscale version is **18.8594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4602, 0.2457, 0.2137**, and **6.8991, 0.1675, 0.1083** is the 20% darker color. If you saturate the color by 10%, you get **14.2751, 0.1828, 0.1178**, and if you desaturate by 10%, it is **26.8152, 0.2226, 0.1837**.

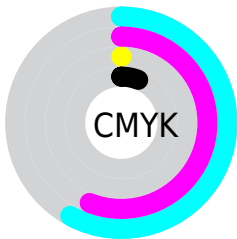
Distribution



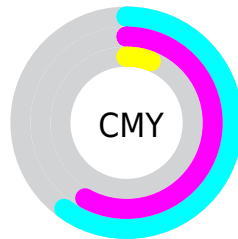
- Red (40%)
- Green (42%)
- Blue (95%)



- Red (40%)
- Yellow (42%)
- Blue (95%)



- Cyan (58%)
- Magenta (56%)
- Yellow (0%)
- Black (6%)



- Cyan (60%)
- Magenta (58%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6910, 0.2017, 0.1493 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 19.6910, 0.2017, 0.1493 by changing the saturation by 10% instead.

■ 19.6910, 0.2017,
0.1493

■ 19.6910, 0.2017,
0.1493

250.2374, 0.2617,
0.2356

■ 12.1706, 0.1865,
0.1304

■ 42.8985, 0.2239,
0.1790

■ 6.8600, 0.1673,
0.1080

■ 59.3544, 0.2322,
0.1907

■ 3.3747, 0.1428,
0.0820

■ 79.5577, 0.2392,
0.2008

■ 1.3303, 0.1117,
0.0528

■ 103.8926, 0.2451,
0.2096

■ 0.1645, 0.0744,
0.0116

132.7437, 0.2501,
0.2173

■ 0.0000, 0.0000,
0.0000

166.4952, 0.2545,

0.2242

205.5317, 0.2583,
0.2302

■ 19.6910, 0.2017,
0.1493

■ 19.6910, 0.2017,
0.1493

■ 14.2751, 0.1828,
0.1178

■ 26.8152, 0.2226,
0.1837

■ 10.4229, 0.1674,
0.0917

■ 35.7730, 0.2439,
0.2185

■ 7.9687, 0.1568,
0.0732


■ 46.6797, 0.2645,
0.2519

■ 6.7046, 0.1513,
0.0630

■ 59.6407, 0.2836,
0.2826

■ 6.5425, 0.1505,
0.0616

■ 74.7541, 0.3008,
0.3101

 92.1113, 0.3160,
0.3342

 99.1292, 0.3209,
0.3425

Harmonies

Analogous

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



19.6910, 0.1332, 0.1442



19.6910, 0.2017, 0.1493



19.6910, 0.3211, 0.1838

Triad

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



19.6910, 0.2017, 0.1493



19.6910, 0.5640, 0.3995



19.6910, 0.1578, 0.4185

Complementary

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



19.6910, 0.2017, 0.1493



79.5485, 0.3979, 0.4613

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.



19.6910, 0.2546, 0.5753



19.6910, 0.2017, 0.1493



19.6910, 0.4844, 0.4952

Square

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



19.6910, 0.2017, 0.1493



19.6910, 0.5687, 0.3180



19.6910, 0.3721, 0.5830



19.6910, 0.1099, 0.2578

Rectangle

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



19.6910, 0.2017, 0.1493



19.6910, 0.4214, 0.2219



19.6910, 0.3721, 0.5830



19.6910, 0.1853, 0.4805

Sweetspot

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



19.6916, 0.2017, 0.1493



68.8804, 0.2848, 0.2845



71.6549, 0.2438, 0.3374



14.0592, 0.2811, 0.2786



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.



19.6916, 0.2017, 0.1493



15.4686, 0.1802, 0.1135



23.7762, 0.2473, 0.1632



15.3223, 0.2979, 0.3055



3.5912, 0.1507, 0.0623



0.3315, 0.1523, 0.0684

Inverse Universe

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



29.2413, 0.4842, 0.3243



27.5239, 0.5387, 0.3244



73.3629, 0.3495, 0.4904



15.7683, 0.3288, 0.3282



10.1559, 0.6362, 0.3278



0.8482, 0.6260, 0.3222

Previews

White Background



This preview shows how the Yxy color 19.6910, 0.2017, 0.1493 looks on a white background.

Color Contrast Check

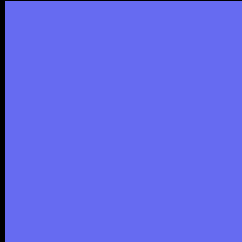
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6910, 0.2017, 0.1493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

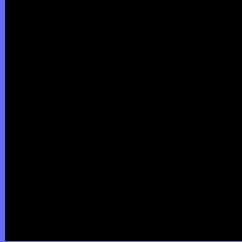
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6910, 0.2017, 0.1493

Background



This preview shows how black text looks on a background with the Yxy color 19.6910, 0.2017, 0.1493.

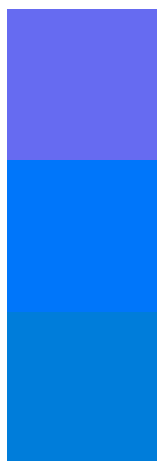


This preview shows how white text looks on a background with the Yxy color 19.6910, 0.2017, 0.1493.

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

19.6910, 0.2017, 0.1493

Protanopia

19.8590, 0.1737, 0.1454

Deuteranopia

19.7292, 0.1837, 0.1813



Tritanopia

19.5098, 0.2387, 0.3065

Trichromacy



Original Color

19.6910, 0.2017, 0.1493

Protanomaly

19.1433, 0.1770, 0.1438

Deuteranomaly

18.8412, 0.1835, 0.1648

Tritanomaly

18.9984, 0.2212, 0.2299

Monochromacy



Original Color

19.6910, 0.2017, 0.1493

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.7848, 0.2597, 0.2442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6910, 0.2017, 0.1493 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(102, 107, 241)` looks like.

```
.text, #text, p{  
    color:rgb(102, 107, 241)  
}
```

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(102, 107, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 107, 241) }
```

Border

The CSS property to change the border of an element to Yxy 19.6910, 0.2017, 0.1493 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(102, 107, 241) }
```

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

```
.border{ border-color:rgb(102, 107, 241) }
```

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

Here you see how a box with a 4 pixel rgb(102, 107, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 107, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 107, 241);  
box-shadow:4px 4px 4px 4px rgb(102, 107,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6910, 0.2017, 0.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 107, 241) }
```

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

```
.background{ background-color: rgb(102,  
107, 241) }
```

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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