

Converting Colors

$Y_{xy}(19.6921, 0.1956, 0.1358)$

Have a look what the booklet for
Yxy(19.6921, 0.1956, 0.1358)
contains.

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Color

Yxy(19.7453, 0.1957, 0.1361)

Conversions

Conversions Part 1

Format	Color
Hex	6667FF
RGB	102, 103, 255
RGB Percent	40%, 40%, 100%
CMY	0.5995, 0.5962, 0.0000
CMYK	0.60, 0.60, 0.00, 0.00
HSL	240°, 100%, 70%
HSV	240°, 60%, 100%
XYZ	28.3920, 19.7453, 96.9420
YIQ	120.0290, -49.3880, 47.0600

Conversions

Conversions Part 2

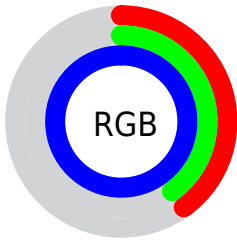
Format	Color
R _Y B	102, 103, 255
Decimal	6711295
CIE Lab	51.55, 43.08, -75.94
CIE LCh	52, 87.312, 299.567
Yxy	19.7453, 0.1957, 0.1361
Android (android.graphics.Color)	4284901375 (0xFF6667FF)
YUV	120.0290, 66.5407, -15.8114
Hunter-Lab	44.4357, 36.2895, -98.2436

Details

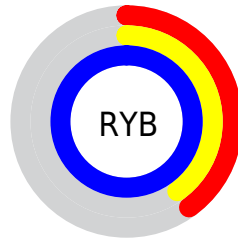
The Yxy color **19.7453, 0.1957, 0.1361** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.2058, 0.3981, 0.4689**, and the grayscale version is **18.5917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3305, 0.2465, 0.2094**, and **6.9176, 0.1610, 0.0960** is the 20% darker color. If you saturate the color by 10%, you get **14.1742, 0.1774, 0.1057**, and if you desaturate by 10%, it is **27.3016, 0.2166, 0.1706**.

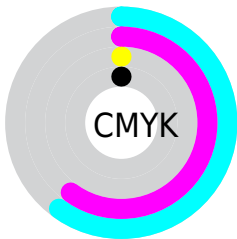
Distribution



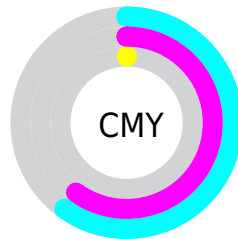
- Red (40%)
- Green (40%)
- Blue (100%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7453, 0.1957, 0.1361 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 19.7453, 0.1957, 0.1361 by changing the saturation by 10% instead.


 19.7453, 0.1957,
0.1361


 19.7453, 0.1957,
0.1361


250.5329, 0.2584,
0.2260


 12.2100, 0.1802,
0.1173


 42.9897, 0.2187,
0.1663


 6.8869, 0.1609,
0.0955


 59.4677, 0.2273,
0.1785

 3.3915, 0.1368,
0.0709


 79.6954, 0.2346,
0.1890

 1.3394, 0.1068,
0.0444

 104.0571, 0.2408,
0.1983

 0.1714, 0.0717,
0.0097

132.9374, 0.2461,
0.2065

 0.0000, 0.0167,
0.0000

166.7205, 0.2507,

 0.0000, 0.0000,

0.2137

0.0000

205.7909, 0.2548,
0.2202

■ 19.7453, 0.1957,
0.1361

■ 19.7453, 0.1957,
0.1361

■ 14.1742, 0.1774,
0.1057

■ 27.3016, 0.2166,
0.1706

■ 10.4045, 0.1632,
0.0822

■ 37.0094, 0.2383,
0.2065

■ 8.2131, 0.1542,
0.0672

■ 49.0142, 0.2595,
0.2415

■ 7.2538, 0.1501,
0.0603

■ 63.4496, 0.2793,
0.2740

■ 7.2505, 0.1501,
0.0602

■ 80.4392, 0.2971,
0.3033

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



19.7453, 0.1214, 0.1286



19.7453, 0.1957, 0.1361



19.7453, 0.3293, 0.1738

Triad

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



19.7453, 0.1957, 0.1361



19.7453, 0.5809, 0.3999



19.7453, 0.1361, 0.4173

Complementary

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



19.7453, 0.1957, 0.1361



93.2058, 0.3981, 0.4689

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.



19.7453, 0.2352, 0.6071



19.7453, 0.1957, 0.1361



19.7453, 0.4876, 0.5096

Square

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



19.7453, 0.1957, 0.1361



19.7453, 0.5996, 0.3147



19.7453, 0.3599, 0.6121



19.7453, 0.0918, 0.2391

Rectangle

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



19.7453, 0.1957, 0.1361



19.7453, 0.4430, 0.2146



19.7453, 0.3599, 0.6121



19.7453, 0.1636, 0.4912

Sweetspot

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



19.7443, 0.1957, 0.1361



66.5641, 0.2829, 0.2800



81.4087, 0.2400, 0.3318



13.2621, 0.2775, 0.2710



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.



19.7443, 0.1957, 0.1361



13.2628, 0.1741, 0.1003



25.9775, 0.2480, 0.1582



17.3938, 0.2978, 0.3045



3.7955, 0.1501, 0.0603



0.3749, 0.1503, 0.0611

Inverse Universe

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



31.7645, 0.5015, 0.3288



26.2908, 0.5594, 0.3290



82.3184, 0.3469, 0.4988



17.9887, 0.3294, 0.3289



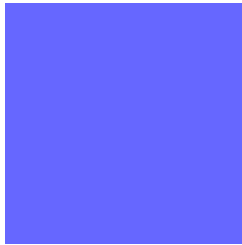
11.1111, 0.6395, 0.3297



1.0824, 0.6382, 0.3289

Previews

White Background



This preview shows how the Yxy color 19.7453, 0.1957, 0.1361 looks on a white background.

Color Contrast Check

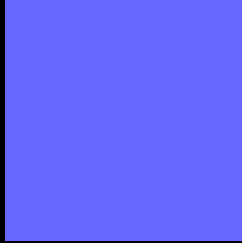
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7453, 0.1957, 0.1361 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 19.7453, 0.1957, 0.1361

Background



This preview shows how black text looks on a background with the Yxy color 19.7453, 0.1957, 0.1361.



This preview shows how white text looks on a background with the Yxy color 19.7453, 0.1957, 0.1361.

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

19.7453, 0.1957, 0.1361

Protanopia

19.8590, 0.1737, 0.1454

Deuteranopia

19.6251, 0.1843, 0.1833



Tritanopia

19.7676, 0.2328, 0.3084

Trichromacy



Original Color

19.7453, 0.1957, 0.1361

Protanomaly

19.2318, 0.1756, 0.1394

Deuteranomaly

18.8291, 0.1820, 0.1601

Tritanomaly

18.9287, 0.2143, 0.2221

Monochromacy



Original Color

19.7453, 0.1957, 0.1361

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4099, 0.2548, 0.2347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7453, 0.1957, 0.1361 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, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 103, 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(102, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 103, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.7453, 0.1957, 0.1361 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, 103, 255) }
```

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

```
.border{ border-color:rgb(102, 103, 255) }
```

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

Here you see how a box with a 4 pixel rgb(102, 103, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 103,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7453, 0.1957, 0.1361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 103, 255) }
```

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

```
.background{ background-color: rgb(102,  
103, 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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