

Converting Colors

$Y_{xy}(20.1848, 0.1981, 0.1382)$

Have a look what the booklet for
Yxy(20.1848, 0.1981, 0.1382)
contains.

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Color

Yxy(20.1848, 0.1981, 0.1382)

Conversions

Conversions Part 1

Format	Color
Hex	6A68FF
RGB	106, 104, 255
RGB Percent	42%, 41%, 100%
CMY	0.5845, 0.5920, 0.0002
CMYK	0.58, 0.59, 0.00, 0.00
HSL	241°, 100%, 70%
HSV	241°, 59%, 100%
XYZ	28.9335, 20.1848, 96.9367
YIQ	121.8120, -47.2790, 47.3850

Conversions

Conversions Part 2

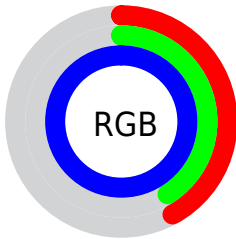
Format	Color
R _Y B	106, 104, 255
Decimal	6973695
CIE Lab	52.05, 43.05, -75.08
CIE LCh	52, 86.547, 299.829
Yxy	20.1848, 0.1981, 0.1382
Android (android.graphics.Color)	4285163775 (0xFF6A68FF)
YUV	121.8120, 65.6617, -13.8671
Hunter-Lab	44.9275, 36.3316, -96.4763

Details

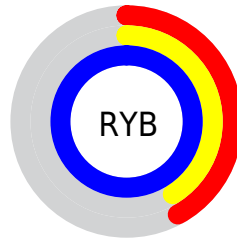
The Yxy color **20.1848, 0.1981, 0.1382** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.3754, 0.3956, 0.4690**, and the grayscale version is **19.1918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4320, 0.2496, 0.2126**, and **7.0538, 0.1637, 0.0973** is the 20% darker color. If you saturate the color by 10%, you get **14.4821, 0.1794, 0.1075**, and if you desaturate by 10%, it is **27.8918, 0.2191, 0.1729**.

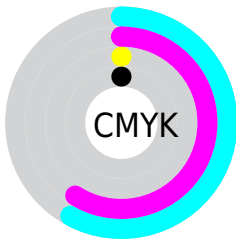
Distribution



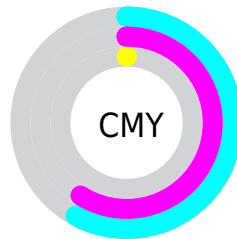
- Red (42%)
- Green (41%)
- Blue (100%)



- Red (42%)
- Yellow (41%)
- Blue (100%)



- Cyan (58%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1848, 0.1981, 0.1382 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 20.1848, 0.1981, 0.1382 by changing the saturation by 10% instead.


 20.1848, 0.1981,
0.1382


 20.1848, 0.1981,
0.1382


252.9138, 0.2595,
0.2272


 12.5294, 0.1829,
0.1195


 43.7268, 0.2206,
0.1681


 7.1053, 0.1639,
0.0979


 60.3822, 0.2291,
0.1801

 3.5281, 0.1401,
0.0732


 80.8065, 0.2362,
0.1906

 1.4132, 0.1103,
0.0465

 105.3839, 0.2423,
0.1998

 0.2265, 0.0751,
0.0127

134.4990, 0.2475,
0.2079

 0.0000, 0.0218,
0.0000

168.5361, 0.2520,

 0.0000, 0.0000,

0.2150

0.0000

207.8795, 0.2560,
0.2214

■ 20.1848, 0.1981,
0.1382

■ 20.1848, 0.1981,
0.1382

■ 14.4821, 0.1794,
0.1075

■ 27.8918, 0.2191,
0.1729

■ 10.5966, 0.1647,
0.0834

■ 37.7642, 0.2407,
0.2088

■ 8.3088, 0.1551,
0.0678

■ 49.9485, 0.2617,
0.2437

■ 7.2954, 0.1505,
0.0606

■ 64.5779, 0.2811,
0.2761

■ 7.2378, 0.1503,
0.0601

■ 81.7758, 0.2985,
0.3053

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



20.1848, 0.1237, 0.1305



20.1848, 0.1981, 0.1382



20.1848, 0.3306, 0.1759

Triad

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



20.1848, 0.1981, 0.1382



20.1848, 0.5778, 0.4015



20.1848, 0.1379, 0.4141

Complementary

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



20.1848, 0.1981, 0.1382



93.3754, 0.3956, 0.4690

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.



20.1848, 0.2361, 0.6009



20.1848, 0.1981, 0.1382



20.1848, 0.4852, 0.5092

Square

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



20.1848, 0.1981, 0.1382



20.1848, 0.5961, 0.3165



20.1848, 0.3597, 0.6093



20.1848, 0.0938, 0.2397

Rectangle

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



20.1848, 0.1981, 0.1382



20.1848, 0.4426, 0.2167



20.1848, 0.3597, 0.6093



20.1848, 0.1652, 0.4864

Sweetspot

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



20.1854, 0.1981, 0.1382



66.5257, 0.2833, 0.2798



81.6502, 0.2396, 0.3288



13.2530, 0.2779, 0.2708



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.



20.1854, 0.1981, 0.1382



13.6582, 0.1765, 0.1026



26.7660, 0.2512, 0.1612



17.3888, 0.2980, 0.3044



3.7884, 0.1504, 0.0602



0.3726, 0.1513, 0.0607

Inverse Universe

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



38.2507, 0.3210, 0.1921



33.2228, 0.3222, 0.1745



82.1309, 0.3451, 0.4977



18.2962, 0.3140, 0.3059



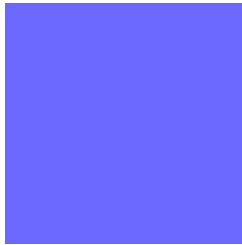
14.7745, 0.3241, 0.1559



1.4398, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 20.1848, 0.1981, 0.1382 looks on a white background.

Color Contrast Check

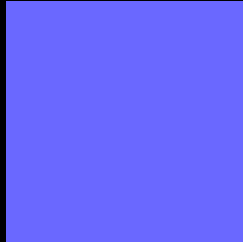
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1848, 0.1981, 0.1382 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 20.1848, 0.1981, 0.1382

Background



This preview shows how black text looks on a background with the Yxy color 20.1848, 0.1981, 0.1382.



This preview shows how white text looks on a background with the Yxy color 20.1848, 0.1981, 0.1382.

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

20.1848, 0.1981, 0.1382

Protanopia

20.2855, 0.1735, 0.1447

Deuteranopia

20.0362, 0.1839, 0.1820



Tritanopia

20.0552, 0.2370, 0.3067

Trichromacy



Original Color

20.1848, 0.1981, 0.1382



Protanomaly

19.6217, 0.1760, 0.1395



Deuteranomaly

19.2144, 0.1823, 0.1601



Tritanomaly

19.2465, 0.2178, 0.2218

Monochromacy



Original Color

20.1848, 0.1981, 0.1382



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.8768, 0.2572, 0.2358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1848, 0.1981, 0.1382 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(106, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 104, 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(106, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 104, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.1848, 0.1981, 0.1382 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(106, 104, 255) }
```

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

```
.border{ border-color:rgb(106, 104, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 104,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1848, 0.1981, 0.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 104, 255) }
```

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

```
.background{ background-color: rgb(106,  
104, 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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