

Converting Colors

$Y_{xy}(21.9746, 0.1951, 0.1328)$

Have a look what the booklet for
Yxy(21.9746, 0.1951, 0.1328)
contains.

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Color

Yxy(20.7793, 0.2003, 0.1410)

Conversions

Conversions Part 1

Format	Color
Hex	6D6AFF
RGB	109, 106, 255
RGB Percent	43%, 42%, 100%
CMY	0.5723, 0.5844, 0.0000
CMYK	0.57, 0.58, 0.00, 0.00
HSL	241°, 100%, 71%
HSV	241°, 58%, 100%
XYZ	29.5184, 20.7793, 97.0732
YIQ	123.8830, -46.0410, 46.9750

Conversions

Conversions Part 2

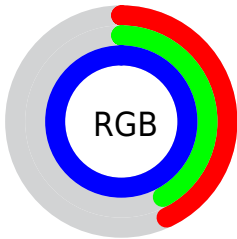
Format	Color
R _Y B	109, 106, 255
Decimal	7170815
CIE Lab	52.71, 42.45, -74.03
CIE LCh	53, 85.337, 299.830
Yxy	20.7793, 0.2003, 0.1410
Android (android.graphics.Color)	4285360895 (0xFF6D6AFF)
YUV	123.8830, 64.6407, -13.0524
Hunter-Lab	45.5843, 35.8162, -94.3509

Details

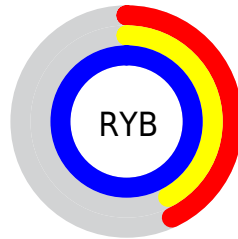
The Yxy color **20.7793, 0.2003, 0.1410** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.2373, 0.3939, 0.4681**, and the grayscale version is **19.9105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3316, 0.2513, 0.2153**, and **7.3644, 0.1666, 0.1007** is the 20% darker color. If you saturate the color by 10%, you get **14.9169, 0.1814, 0.1099**, and if you desaturate by 10%, it is **28.6527, 0.2213, 0.1758**.

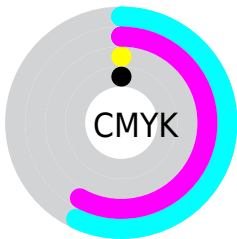
Distribution



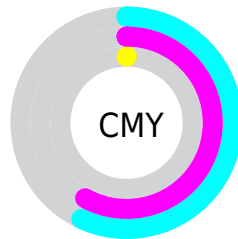
- Red (43%)
- Green (42%)
- Blue (100%)



- Red (43%)
- Yellow (42%)
- Blue (100%)



- Cyan (57%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (57%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7793, 0.2003, 0.1410 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 20.7793, 0.2003, 0.1410 by changing the saturation by 10% instead.


 20.7793, 0.2003,
0.1410


 20.7793, 0.2003,
0.1410


256.1033, 0.2604,
0.2287


 12.9628, 0.1854,
0.1225


 44.7199, 0.2224,
0.1706


 7.4029, 0.1667,
0.1010

 61.6128, 0.2306,
0.1824

 3.7153, 0.1433,
0.0764


 82.3000, 0.2376,
0.1927

 1.5156, 0.1138,
0.0494

 107.1658, 0.2436,
0.2018

 0.2997, 0.0785,
0.0166

136.5946, 0.2487,
0.2097

 0.0000, 0.0272,
0.0000

170.9709, 0.2531,

 0.0000, 0.0000,

0.2168

0.0000

210.6790, 0.2570,
0.2231

■ 20.7793, 0.2003,
0.1410

■ 20.7793, 0.2003,
0.1410

■ 14.9169, 0.1814,
0.1099

■ 28.6527, 0.2213,
0.1758

■ 10.8840, 0.1662,
0.0852

■ 38.6982, 0.2429,
0.2117

■ 8.4651, 0.1560,
0.0689

■ 51.0596, 0.2636,
0.2463

■ 7.3656, 0.1509,
0.0611

■ 65.8687, 0.2827,
0.2785

■ 7.2542, 0.1504,
0.0602

■ 83.2473, 0.2999,
0.3073

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.



20.7793, 0.1265, 0.1335



20.7793, 0.2003, 0.1410



20.7793, 0.3306, 0.1785

Triad

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



20.7793, 0.2003, 0.1410



20.7793, 0.5740, 0.4025



20.7793, 0.1414, 0.4124

Complementary

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



20.7793, 0.2003, 0.1410



93.2373, 0.3939, 0.4681

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.



20.7793, 0.2388, 0.5934



20.7793, 0.2003, 0.1410



20.7793, 0.4833, 0.5072

Square

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



20.7793, 0.2003, 0.1410



20.7793, 0.5904, 0.3181



20.7793, 0.3611, 0.6042



20.7793, 0.0971, 0.2421

Rectangle

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



20.7793, 0.2003, 0.1410



20.7793, 0.4399, 0.2188



20.7793, 0.3611, 0.6042



20.7793, 0.1685, 0.4823

Sweetspot

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



20.7791, 0.2003, 0.1410



66.5796, 0.2835, 0.2798



80.2282, 0.2395, 0.3259



13.2658, 0.2782, 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.



20.7791, 0.2003, 0.1410



14.1727, 0.1787, 0.1056



27.5870, 0.2543, 0.1642



17.3958, 0.2982, 0.3044



3.7983, 0.1506, 0.0603



0.3759, 0.1521, 0.0611

Inverse Universe

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



38.5852, 0.3219, 0.1943



33.4814, 0.3235, 0.1766



82.0256, 0.3433, 0.4965



18.2935, 0.3141, 0.3061



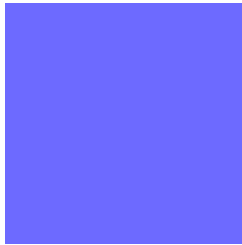
14.7084, 0.3262, 0.1571



1.4341, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 20.7793, 0.2003, 0.1410 looks on a white background.

Color Contrast Check

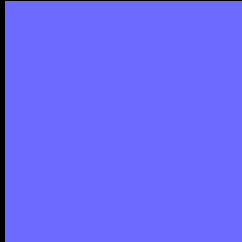
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7793, 0.2003, 0.1410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

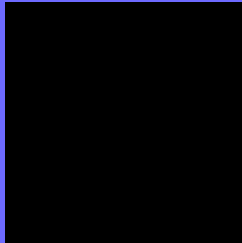
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7793, 0.2003, 0.1410

Background



This preview shows how black text looks on a background with the Yxy color 20.7793, 0.2003, 0.1410.



This preview shows how white text looks on a background with the Yxy color 20.7793, 0.2003, 0.1410.

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

20.7793, 0.2003, 0.1410

Protanopia

21.0139, 0.1751, 0.1465

Deuteranopia

20.7123, 0.1840, 0.1823



Tritanopia

20.5615, 0.2404, 0.3070

Trichromacy



Original Color

20.7793, 0.2003, 0.1410

Protanomaly

20.3889, 0.1789, 0.1424

Deuteranomaly

19.8246, 0.1828, 0.1615

Tritanomaly

19.7543, 0.2208, 0.2231

Monochromacy



Original Color

20.7793, 0.2003, 0.1410

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.6231, 0.2589, 0.2372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7793, 0.2003, 0.1410 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(109, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 106, 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(109, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 106, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.7793, 0.2003, 0.1410 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(109, 106, 255) }
```

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

```
.border{ border-color:rgb(109, 106, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 106,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7793, 0.2003, 0.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 106, 255) }
```

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

```
.background{ background-color: rgb(109,  
106, 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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