

Converting Colors

$Y_{xy}(23.7172, 0.2016, 0.1578)$

Have a look what the booklet for
Yxy(23.7172, 0.2016, 0.1578)
contains.

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Color

Yxy(23.7096, 0.2020, 0.1582)

Conversions

Conversions Part 1

Format	Color
Hex	6879FD
RGB	104, 121, 253
RGB Percent	41%, 47%, 99%
CMY	0.5921, 0.5255, 0.0079
CMYK	0.59, 0.52, 0.00, 0.01
HSL	233°, 97%, 70%
HSV	233°, 59%, 99%
XYZ	30.2740, 23.7096, 95.8875
YIQ	130.9650, -52.5040, 37.4480

Conversions

Conversions Part 2

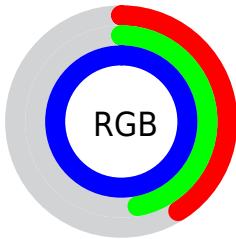
Format	Color
RYB	104, 119, 253
Decimal	6846973
CIELab	55.80, 32.00, -67.92
CIELCh	56, 75.079, 295.228
Yxy	23.7096, 0.2020, 0.1582
Android (android.graphics.Color)	4285037053 (0xFF6879FD)
YUV	130.9650, 60.1633, -23.6483
Hunter-Lab	48.6925, 25.7682, -82.6718

Details

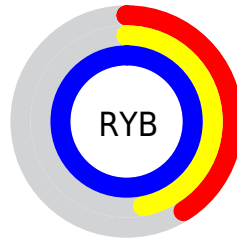
The Yxy color **23.7096, 0.2020, 0.1582** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **81.8658, 0.4057, 0.4550**, and the grayscale version is **22.4817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2141, 0.2502, 0.2322**, and **8.8994, 0.1700, 0.1200** is the 20% darker color. If you saturate the color by 10%, you get **17.5869, 0.1838, 0.1275**, and if you desaturate by 10%, it is **31.5530, 0.2221, 0.1909**.

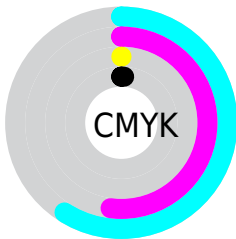
Distribution



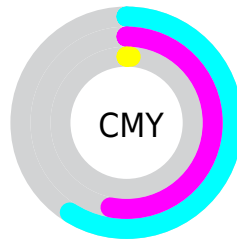
- Red (41%)
- Green (47%)
- Blue (99%)



- Red (41%)
- Yellow (47%)
- Blue (99%)



- Cyan (59%)
- Magenta (52%)
- Yellow (0%)
- Black (1%)





- Cyan (59%)
- Magenta (53%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7096, 0.2020, 0.1582 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 23.7096, 0.2020, 0.1582 by changing the saturation by 10% instead.


 23.7096, 0.2020,
0.1582


 23.7096, 0.2020,
0.1582


271.3490, 0.2601,
0.2392


 15.1183, 0.1877,
0.1405


 49.5559, 0.2232,
0.1859

 8.9025, 0.1699,
0.1196


 67.5797, 0.2311,
0.1969

 4.6776, 0.1474,
0.0949


 89.5165, 0.2379,
0.2064

 2.0594, 0.1189,
0.0666

115.7507, 0.2436,
0.2146

 0.6416, 0.0837,
0.0354

146.6666, 0.2486,
0.2219

 0.0000, 0.0349,
0.0000

182.6487, 0.2529,

 0.0000, 0.0000,

0.2283

0.0000

224.0814, 0.2567,
0.2341

■ 23.7096, 0.2020,
0.1582

■ 23.7096, 0.2020,
0.1582

■ 17.5869, 0.1838,
0.1275

■ 31.5530, 0.2221,
0.1909

■ 13.0520, 0.1689,
0.1011

■ 41.2321, 0.2427,
0.2235

■ 9.9552, 0.1583,
0.0808

■ 52.8545, 0.2628,
0.2545

■ 8.1068, 0.1523,
0.0676

■ 66.5186, 0.2816,
0.2831

■ 7.9610, 0.1518,
0.0666

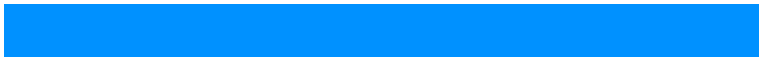
■ 82.3164, 0.2989,
0.3088

99.8702, 0.3139,
0.3309

Harmonies

Analogous

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



23.7096, 0.1399, 0.1565



23.7096, 0.2020, 0.1582



23.7096, 0.3097, 0.1889

Triad

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



23.7096, 0.2020, 0.1582



23.7096, 0.5521, 0.3938



23.7096, 0.1766, 0.4262

Complementary

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



23.7096, 0.2020, 0.1582



81.8658, 0.4057, 0.4550

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.



23.7096, 0.2722, 0.5578



23.7096, 0.2020, 0.1582



23.7096, 0.4860, 0.4816

Square

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



23.7096, 0.2020, 0.1582



23.7096, 0.5442, 0.3157



23.7096, 0.3838, 0.5602



23.7096, 0.1248, 0.2761

Rectangle

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



23.7096, 0.2020, 0.1582



23.7096, 0.4006, 0.2240



23.7096, 0.3838, 0.5602



23.7096, 0.2045, 0.4799

Sweetspot

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



23.7103, 0.2020, 0.1582



69.0515, 0.2832, 0.2855



79.2117, 0.2468, 0.3497



13.8540, 0.2779, 0.2775



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.



23.7103, 0.2020, 0.1582



16.7844, 0.1803, 0.1214



24.5854, 0.2372, 0.1559



17.7110, 0.2979, 0.3072



4.3389, 0.1522, 0.0680



0.5251, 0.1562, 0.0822

Inverse Universe

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



32.1639, 0.4758, 0.3129



26.9697, 0.5304, 0.3128



82.9537, 0.3566, 0.4902



18.0207, 0.3276, 0.3263



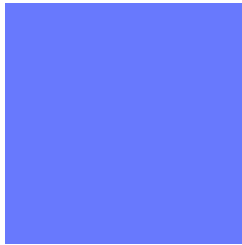
11.1660, 0.6266, 0.3225



1.0976, 0.6034, 0.3097

Previews

White Background



This preview shows how the Yxy color 23.7096, 0.2020, 0.1582 looks on a white background.

Color Contrast Check

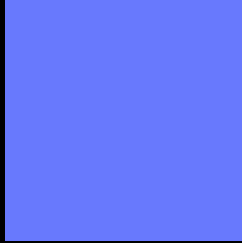
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7096, 0.2020, 0.1582 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 23.7096, 0.2020, 0.1582

Background



This preview shows how black text looks on a background with the Yxy color 23.7096, 0.2020, 0.1582.



This preview shows how white text looks on a background with the Yxy color 23.7096, 0.2020, 0.1582.

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

23.7096, 0.2020, 0.1582

Protanopia

23.9126, 0.1861, 0.1600

Deuteranopia

23.7814, 0.1833, 0.1799



Tritanopia

23.7093, 0.2350, 0.3062

Trichromacy



Original Color

23.7096, 0.2020, 0.1582

Protanomaly

23.6552, 0.1908, 0.1589

Deuteranomaly

23.1157, 0.1843, 0.1698

Tritanomaly

22.9919, 0.2192, 0.2357

Monochromacy



Original Color

23.7096, 0.2020, 0.1582

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.3388, 0.2602, 0.2504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7096, 0.2020, 0.1582 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(104, 121, 253)` looks like.

```
.text, #text, p{  
    color:rgb(104, 121, 253)  
}
```

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(104, 121, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 121, 253) }
```

Border

The CSS property to change the border of an element to Yxy 23.7096, 0.2020, 0.1582 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(104, 121, 253) }
```

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

```
.border{ border-color:rgb(104, 121, 253) }
```

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

Here you see how a box with a 4 pixel rgb(104, 121, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 121, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 121, 253);  
box-shadow:4px 4px 4px 4px rgb(104, 121,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7096, 0.2020, 0.1582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 121, 253) }
```

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

```
.background{ background-color: rgb(104,  
121, 253) }
```

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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