

Converting Colors

$Y_{xy}(20.1444, 0.2009, 0.1564)$

Have a look what the booklet for
Yxy(20.1444, 0.2009, 0.1564)
contains.

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Color

Yxy(20.1896, 0.2012, 0.1568)

Conversions

Conversions Part 1

Format	Color
Hex	6070ED
RGB	96, 112, 237
RGB Percent	38%, 44%, 93%
CMY	0.6235, 0.5608, 0.0705
CMYK	0.59, 0.53, 0.00, 0.07
HSL	233°, 80%, 65%
HSV	233°, 59%, 93%
XYZ	25.9066, 20.1896, 82.6641
YIQ	121.4660, -49.6610, 35.4830

Conversions

Conversions Part 2

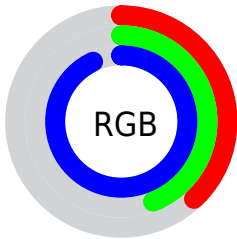
Format	Color
R _Y B	96, 110, 237
Decimal	6320365
CIE Lab	52.05, 30.86, -65.12
CIE LCh	52, 72.066, 295.357
Yxy	20.1896, 0.2012, 0.1568
Android (android.graphics.Color)	4284510445 (0xFF6070ED)
YUV	121.4660, 56.9583, -22.3337
Hunter-Lab	44.9328, 24.2838, -77.6243

Details

The Yxy color **20.1896, 0.2012, 0.1568** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **70.5843, 0.4062, 0.4558**, and the grayscale version is **19.1043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9390, 0.2428, 0.2198**, and **7.1404, 0.1670, 0.1163** is the 20% darker color. If you saturate the color by 10%, you get **14.9838, 0.1832, 0.1264**, and if you desaturate by 10%, it is **26.8661, 0.2211, 0.1893**.

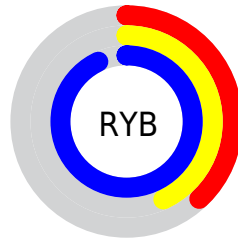
Distribution



Red (38%)

Green (44%)

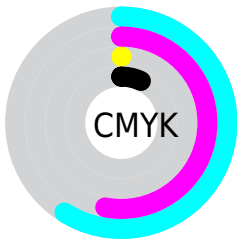
Blue (93%)



Red (38%)

Yellow (43%)

Blue (93%)

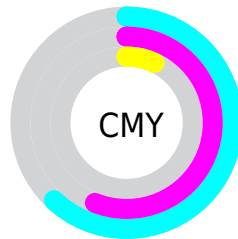


Cyan (59%)

Magenta (53%)

Yellow (0%)

Black (7%)



Cyan (62%)

Magenta (56%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1896, 0.2012, 0.1568 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 20.1896, 0.2012, 0.1568 by changing the saturation by 10% instead.

■ 20.1896, 0.2012,
0.1568

■ 20.1896, 0.2012,
0.1568

■ 252.9397, 0.2612,
0.2406

■ 12.5329, 0.1860,
0.1380

■ 43.7348, 0.2234,
0.1859

■ 7.1077, 0.1668,
0.1157

■ 60.3922, 0.2317,
0.1973

■ 3.5296, 0.1422,
0.0892

■ 80.8186, 0.2386,
0.2071

■ 1.4141, 0.1109,
0.0590

■ 105.3984, 0.2445,
0.2156

■ 0.2270, 0.0732,
0.0170

■ 134.5160, 0.2496,
0.2230

■ 0.0000, 0.0000,
0.0000

168.5558, 0.2540,

0.2296

207.9023, 0.2578,
0.2354

■ 20.1896, 0.2012,
0.1568

■ 20.1896, 0.2012,
0.1568

■ 14.9838, 0.1832,
0.1264

■ 26.8661, 0.2211,
0.1893

■ 11.1345, 0.1685,
0.1002

■ 35.1122, 0.2417,
0.2219

■ 8.5132, 0.1581,
0.0802


■ 45.0200, 0.2618,
0.2530

■ 6.9505, 0.1521,
0.0673

■ 56.6742, 0.2807,
0.2816

■ 6.8928, 0.1519,
0.0668

■ 70.1535, 0.2979,
0.3074

 85.5318, 0.3135,
0.3301

 98.8954, 0.3232,
0.3463

Harmonies

Analogous

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



20.1896, 0.1386, 0.1549



20.1896, 0.2012, 0.1568



20.1896, 0.3101, 0.1878

Triad

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



20.1896, 0.2012, 0.1568



20.1896, 0.5542, 0.3939



20.1896, 0.1746, 0.4267

Complementary

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



20.1896, 0.2012, 0.1568



70.5843, 0.4062, 0.4558

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.



20.1896, 0.2708, 0.5609



20.1896, 0.2012, 0.1568



20.1896, 0.4867, 0.4827

Square

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



20.1896, 0.2012, 0.1568



20.1896, 0.5471, 0.3154



20.1896, 0.3832, 0.5628



20.1896, 0.1229, 0.2746

Rectangle

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



20.1896, 0.2012, 0.1568



20.1896, 0.4022, 0.2232



20.1896, 0.3832, 0.5628



20.1896, 0.2027, 0.4814

Sweetspot

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



20.1902, 0.2012, 0.1568



69.0359, 0.2832, 0.2854



68.2626, 0.2466, 0.3499



13.8503, 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.



20.1902, 0.2012, 0.1568



16.7628, 0.1803, 0.1213



20.9742, 0.2366, 0.1548



14.8237, 0.2980, 0.3074



3.8570, 0.1523, 0.0683



0.3939, 0.1572, 0.0858

Inverse Universe

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



27.5456, 0.4776, 0.3130



26.9675, 0.5305, 0.3129



71.4855, 0.3568, 0.4912



15.0818, 0.3275, 0.3264



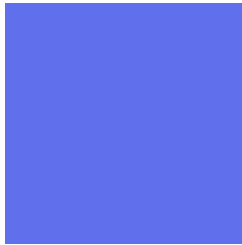
9.8822, 0.6261, 0.3223



0.7852, 0.5977, 0.3066

Previews

White Background



This preview shows how the Yxy color 20.1896, 0.2012, 0.1568 looks on a white background.

Color Contrast Check

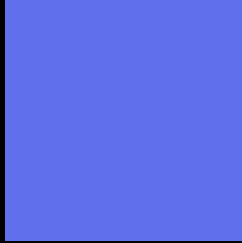
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1896, 0.2012, 0.1568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

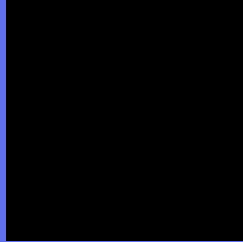
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1896, 0.2012, 0.1568

Background



This preview shows how black text looks on a background with the Yxy color 20.1896, 0.2012, 0.1568.



This preview shows how white text looks on a background with the Yxy color 20.1896, 0.2012, 0.1568.

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

20.1896, 0.2012, 0.1568

Protanopia

20.2785, 0.1802, 0.1521

Deuteranopia

20.1422, 0.1834, 0.1801



Tritanopia

20.2155, 0.2340, 0.3066

Trichromacy



Original Color

20.1896, 0.2012, 0.1568

Protanomaly

19.9257, 0.1855, 0.1524

Deuteranomaly

19.5781, 0.1840, 0.1683

Tritanomaly

19.7355, 0.2186, 0.2364

Monochromacy



Original Color

20.1896, 0.2012, 0.1568

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.0460, 0.2598, 0.2503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1896, 0.2012, 0.1568 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(96, 112, 237)` looks like.

```
.text, #text, p{  
    color:rgb(96, 112, 237)  
}
```

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(96, 112, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 112, 237) }
```

Border

The CSS property to change the border of an element to Yxy 20.1896, 0.2012, 0.1568 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(96, 112, 237) }
```

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

```
.border{ border-color:rgb(96, 112, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 112, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 112, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 112, 237);  
box-shadow:4px 4px 4px 4px rgb(96, 112,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1896, 0.2012, 0.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 112, 237) }
```

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

```
.background{ background-color: rgb(96, 112,  
237) }
```

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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