

Converting Colors

$Y_{xy}(19.4811, 0.2131, 0.1823)$

Have a look what the booklet for
Yxy(19.4811, 0.2131, 0.1823)
contains.

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Color

Yxy(19.5017, 0.2131, 0.1819)

Conversions

Conversions Part 1

Format	Color
Hex	6073D4
RGB	96, 115, 212
RGB Percent	38%, 45%, 83%
CMY	0.6232, 0.5491, 0.1685
CMYK	0.55, 0.46, 0.00, 0.17
HSL	230°, 57%, 60%
HSV	230°, 55%, 83%
XYZ	22.8467, 19.5017, 64.8627
YIQ	120.3770, -42.4610, 26.1390

Conversions

Conversions Part 2

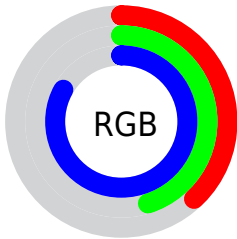
Format	Color
R _Y B	96, 112, 212
Decimal	6321108
CIE Lab	51.27, 20.93, -52.30
CIE LCh	51, 56.335, 291.811
Yxy	19.5017, 0.2131, 0.1819
Android (android.graphics.Color)	4284511188 (0xFF6073D4)
YUV	120.3770, 45.1701, -21.3786
Hunter-Lab	44.1607, 15.0662, -56.1719

Details

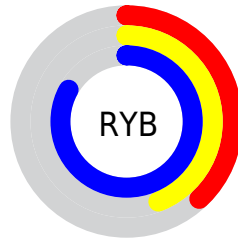
The Yxy color **19.5017, 0.2131, 0.1819** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **53.0440, 0.4025, 0.4413**, and the grayscale version is **18.7768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7275, 0.2414, 0.2229**, and **6.7247, 0.1794, 0.1398** is the 20% darker color. If you saturate the color by 10%, you get **14.8378, 0.1945, 0.1513**, and if you desaturate by 10%, it is **25.2562, 0.2328, 0.2130**.

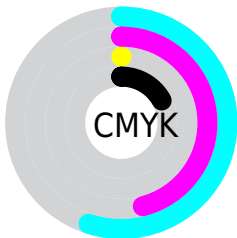
Distribution



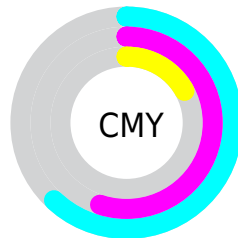
- Red (38%)
- Green (45%)
- Blue (83%)



- Red (38%)
- Yellow (44%)
- Blue (83%)



- Cyan (55%)
- Magenta (46%)
- Yellow (0%)
- Black (17%)



- Cyan (62%)
- Magenta (55%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5017, 0.2131, 0.1819 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 19.5017, 0.2131, 0.1819 by changing the saturation by 10% instead.

■ 19.5017, 0.2131,
0.1819

■ 19.5017, 0.2131,
0.1819

249.2046, 0.2677,
0.2571

■ 12.0334, 0.1986,
0.1636

■ 42.5802, 0.2338,
0.2091

■ 6.7664, 0.1797,
0.1410

■ 58.9590, 0.2413,
0.2194

■ 3.3164, 0.1547,
0.1127

■ 79.0769, 0.2476,
0.2281

■ 1.2991, 0.1212,
0.0780

■ 103.3181, 0.2529,
0.2356

■ 0.1405, 0.0776,
0.0169

132.0671, 0.2574,
0.2421

■ 0.0000, 0.0000,
0.0000

165.7083, 0.2613,

0.2477

204.6260, 0.2647,
0.2527

■ 19.5017, 0.2131,
0.1819

■ 19.5017, 0.2131,
0.1819

■ 14.8378, 0.1945,
0.1513

■ 25.2562, 0.2328,
0.2130

■ 11.1920, 0.1782,
0.1230

■ 32.1633, 0.2526,
0.2430

■ 8.4860, 0.1654,
0.0988

■ 40.2826, 0.2716,
0.2711

■ 6.6282, 0.1568,
0.0804

■ 49.6691, 0.2894,
0.2966

■ 5.9305, 0.1536,
0.0730

■ 60.3742, 0.3057,
0.3193

■ 72.4465, 0.3203,
0.3393

■ 85.9321, 0.3333,
0.3567

■ 97.5347, 0.3381,
0.3710

Harmonies

Analogous

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



19.5017, 0.1615, 0.1849



19.5017, 0.2131, 0.1819



19.5017, 0.3002, 0.2062

Triad

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



19.5017, 0.2131, 0.1819



19.5017, 0.5151, 0.3856



19.5017, 0.2105, 0.4204

Complementary

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



19.5017, 0.2131, 0.1819



53.0440, 0.4025, 0.4413

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.



19.5017, 0.2963, 0.5125



19.5017, 0.2131, 0.1819



19.5017, 0.4723, 0.4579

Square

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



19.5017, 0.2131, 0.1819



19.5017, 0.4943, 0.3162



19.5017, 0.3914, 0.5156



19.5017, 0.1579, 0.3017

Rectangle

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



19.5017, 0.2131, 0.1819



19.5017, 0.3724, 0.2357



19.5017, 0.3914, 0.5156



19.5017, 0.2364, 0.4587

Sweetspot

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



19.5023, 0.2131, 0.1819



73.1794, 0.2869, 0.2930



53.4271, 0.2532, 0.3562



15.0071, 0.2832, 0.2878



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.



19.5023, 0.2131, 0.1819



21.2950, 0.1910, 0.1453



18.2642, 0.2393, 0.1680



12.3324, 0.2982, 0.3089



3.7576, 0.1541, 0.0747



0.3304, 0.1620, 0.1031

Inverse Universe

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



23.6189, 0.4472, 0.3067



29.2457, 0.4965, 0.3046



56.8722, 0.3592, 0.4753



12.4535, 0.3266, 0.3252



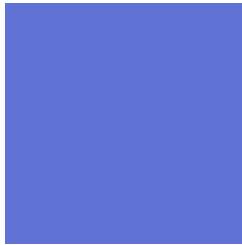
8.7242, 0.6155, 0.3164



0.5367, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 19.5017, 0.2131, 0.1819 looks on a white background.

Color Contrast Check

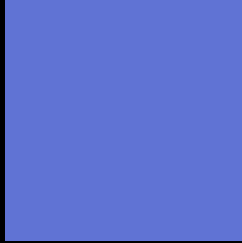
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5017, 0.2131, 0.1819 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 19.5017, 0.2131, 0.1819

Background



This preview shows how black text looks on a background with the Yxy color 19.5017, 0.2131, 0.1819.



This preview shows how white text looks on a background with the Yxy color 19.5017, 0.2131, 0.1819.

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

19.5017, 0.2131, 0.1819

Protanopia

19.7293, 0.2016, 0.1804

Deuteranopia

19.5759, 0.1951, 0.1892



Tritanopia

19.5252, 0.2450, 0.3067

Trichromacy



Original Color

19.5017, 0.2131, 0.1819

Protanomaly

19.7480, 0.2054, 0.1811

Deuteranomaly

19.4013, 0.2001, 0.1855

Tritanomaly

19.1627, 0.2315, 0.2518

Monochromacy



Original Color

19.5017, 0.2131, 0.1819

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6363, 0.2677, 0.2656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5017, 0.2131, 0.1819 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, 115, 212)` looks like.

```
.text, #text, p{  
    color:rgb(96, 115, 212)  
}
```

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, 115, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 115, 212) }
```

Border

The CSS property to change the border of an element to Yxy 19.5017, 0.2131, 0.1819 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, 115, 212) }
```

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

```
.border{ border-color:rgb(96, 115, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 115, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 115, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 115, 212);  
box-shadow:4px 4px 4px 4px rgb(96, 115,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5017, 0.2131, 0.1819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 115, 212) }
```

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

```
.background{ background-color: rgb(96, 115,  
212) }
```

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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