

Converting Colors

$Y_{xy}(18.8253, 0.2192, 0.1801)$

Have a look what the booklet for
Yxy(18.8253, 0.2192, 0.1801)
contains.

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Color

Yxy(18.7586, 0.2194, 0.1797)

Conversions

Conversions Part 1

Format	Color
Hex	696ED1
RGB	105, 110, 209
RGB Percent	41%, 43%, 82%
CMY	0.5885, 0.5685, 0.1804
CMYK	0.50, 0.47, 0.00, 0.18
HSL	237°, 53%, 62%
HSV	237°, 50%, 82%
XYZ	22.9028, 18.7586, 62.7270
YIQ	119.7910, -34.7590, 29.7290

Conversions

Conversions Part 2

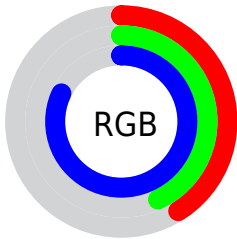
Format	Color
R _Y B	105, 110, 209
Decimal	6909649
CIE Lab	50.40, 24.92, -51.93
CIE LCh	50, 57.595, 295.633
Yxy	18.7586, 0.2194, 0.1797
Android (android.graphics.Color)	4285099729 (0xFF696ED1)
YUV	119.7910, 43.9800, -12.9717
Hunter-Lab	43.3112, 18.5956, -55.5510

Details

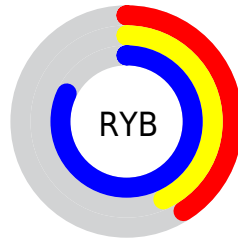
The Yxy color **18.7586, 0.2194, 0.1797** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **57.7090, 0.3879, 0.4441**, and the grayscale version is **18.5753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3911, 0.2456, 0.2171**, and **6.4460, 0.1869, 0.1386** is the 20% darker color. If you saturate the color by 10%, you get **13.8266, 0.1990, 0.1461**, and if you desaturate by 10%, it is **24.9646, 0.2405, 0.2140**.

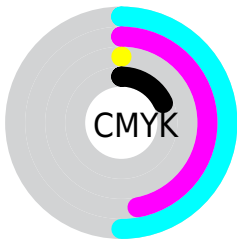
Distribution



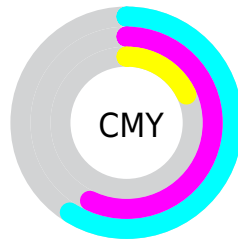
- Red (41%)
- Green (43%)
- Blue (82%)



- Red (41%)
- Yellow (43%)
- Blue (82%)



- Cyan (50%)
- Magenta (47%)
- Yellow (0%)
- Black (18%)





- Cyan (59%)
- Magenta (57%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7586, 0.2194, 0.1797 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 18.7586, 0.2194, 0.1797 by changing the saturation by 10% instead.


 18.7586, 0.2194,
0.1797


 18.7586, 0.2194,
0.1797

245.1128, 0.2713,
0.2560


 11.4960, 0.2053,
0.1612


 41.3258, 0.2392,
0.2073

 6.4015, 0.1869,
0.1382


 57.3991, 0.2464,
0.2177

 3.0907, 0.1621,
0.1096

 77.1782, 0.2524,
0.2266

 1.1793, 0.1284,
0.0746

 101.0474, 0.2574,
0.2342

 0.0447, 0.0843,
0.0058

129.3910, 0.2616,
0.2407

 0.0000, 0.0000,
0.0000

162.5935, 0.2653,

0.2465

201.0394, 0.2685,
0.2515

■ 18.7586, 0.2194,
0.1797

■ 18.7586, 0.2194,
0.1797

■ 13.8266, 0.1990,
0.1461

■ 24.9646, 0.2405,
0.2140

■ 10.0785, 0.1807,
0.1155

■ 32.5227, 0.2610,
0.2470

■ 7.4153, 0.1661,
0.0904

■ 41.5068, 0.2802,
0.2776

■ 5.7210, 0.1561,
0.0726

■ 51.9851, 0.2976,
0.3052

■ 4.8369, 0.1508,
0.0627

■ 64.0212, 0.3130,
0.3295

■ 4.8248, 0.1507,
0.0626

■ 77.6750, 0.3266,
0.3507

■ 93.0036, 0.3384,
0.3690

■ 97.3828, 0.3400,
0.3741

Harmonies

Analogous

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



18.7586, 0.1622, 0.1788



18.7586, 0.2194, 0.1797



18.7586, 0.3132, 0.2078

Triad

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



18.7586, 0.2194, 0.1797



18.7586, 0.5187, 0.3952



18.7586, 0.1978, 0.4075

Complementary

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



18.7586, 0.2194, 0.1797



57.7090, 0.3879, 0.4441

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.



18.7586, 0.2825, 0.5126



18.7586, 0.2194, 0.1797



18.7586, 0.4671, 0.4696

Square

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



18.7586, 0.2194, 0.1797



18.7586, 0.5074, 0.3238



18.7586, 0.3805, 0.5261



18.7586, 0.1495, 0.2868

Rectangle

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



18.7586, 0.2194, 0.1797



18.7586, 0.3888, 0.2397



18.7586, 0.3805, 0.5261



18.7586, 0.2228, 0.4493

Sweetspot

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



18.7592, 0.2194, 0.1797



72.3991, 0.2884, 0.2907



52.9436, 0.2506, 0.3360



14.7622, 0.2847, 0.2848



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.



18.7592, 0.2194, 0.1797



21.0859, 0.1972, 0.1432



21.3446, 0.2591, 0.1878



11.5091, 0.2982, 0.3062



3.0171, 0.1510, 0.0634



0.2020, 0.1540, 0.0744

Inverse Universe

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



24.7695, 0.4455, 0.3231



31.8773, 0.4935, 0.3225



54.3121, 0.3463, 0.4670



11.8175, 0.3283, 0.3279



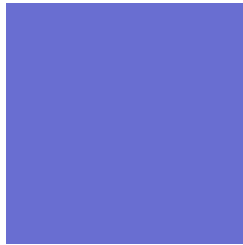
8.3758, 0.6343, 0.3268



0.4717, 0.6161, 0.3168

Previews

White Background



This preview shows how the Yxy color 18.7586, 0.2194, 0.1797 looks on a white background.

Color Contrast Check

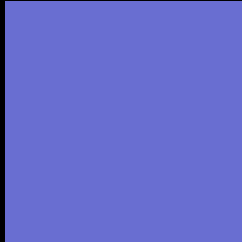
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7586, 0.2194, 0.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

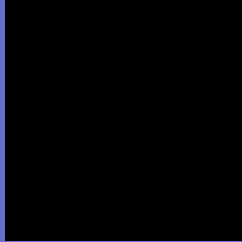
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7586, 0.2194, 0.1797

Background



This preview shows how black text looks on a background with the Yxy color 18.7586, 0.2194, 0.1797.



This preview shows how white text looks on a background with the Yxy color 18.7586, 0.2194, 0.1797.

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

18.7586, 0.2194, 0.1797

Protanopia

18.7748, 0.1984, 0.1759

Deuteranopia

18.8610, 0.1954, 0.1900



Tritanopia

18.8239, 0.2570, 0.3087

Trichromacy



Original Color

18.7586, 0.2194, 0.1797

Protanomaly

18.7235, 0.2049, 0.1769

Deuteranomaly

18.5672, 0.2015, 0.1850

Tritanomaly

18.5432, 0.2413, 0.2519

Monochromacy



Original Color

18.7586, 0.2194, 0.1797

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4026, 0.2726, 0.2642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7586, 0.2194, 0.1797 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(105, 110, 209)` looks like.

```
.text, #text, p{  
    color:rgb(105, 110, 209)  
}
```

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(105, 110, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 110, 209) }
```

Border

The CSS property to change the border of an element to Yxy 18.7586, 0.2194, 0.1797 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(105, 110, 209) }
```

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

```
.border{ border-color:rgb(105, 110, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 110, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 110, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 110, 209);  
box-shadow:4px 4px 4px 4px rgb(105, 110,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7586, 0.2194, 0.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 110, 209) }
```

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

```
.background{ background-color: rgb(105,  
110, 209) }
```

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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