

Converting Colors

$Yxy(18.1592, 0.2068, 0.1682)$

Have a look what the booklet for
Yxy(18.1592, 0.2068, 0.1682)
contains.

Yxy(18.1705, 0.2068, 0.1686)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.1705, 0.2068, 0.1686)

Conversions

Conversions Part 1

Format	Color
Hex	5C6DD8
RGB	92, 109, 216
RGB Percent	36%, 43%, 85%
CMY	0.6388, 0.5727, 0.1528
CMYK	0.57, 0.50, 0.00, 0.15
HSL	232°, 61%, 60%
HSV	232°, 57%, 85%
XYZ	22.2874, 18.1705, 67.3149
YIQ	116.1150, -44.4790, 29.6730

Conversions

Conversions Part 2

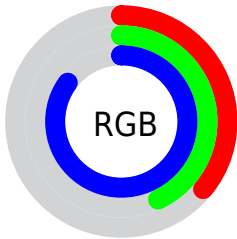
Format	Color
RYB	92, 107, 216
Decimal	6057432
CIELab	49.70, 25.13, -57.10
CIELCh	50, 62.383, 293.753
Yxy	18.1705, 0.2068, 0.1686
Android (android.graphics.Color)	4284247512 (0xFF5C6DD8)
YUV	116.1150, 49.2433, -21.1489
Hunter-Lab	42.6269, 18.7316, -63.7900

Details

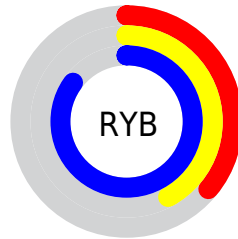
The Yxy color **18.1705, 0.2068, 0.1686** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **56.3019, 0.4046, 0.4491**, and the grayscale version is **17.3645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9409, 0.2382, 0.2138**, and **6.1025, 0.1715, 0.1261** is the 20% darker color. If you saturate the color by 10%, you get **13.6443, 0.1885, 0.1379**, and if you desaturate by 10%, it is **23.8604, 0.2267, 0.2005**.

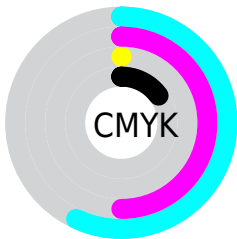
Distribution



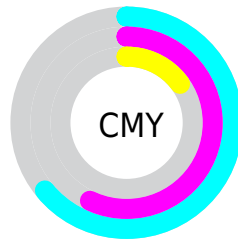
- Red (36%)
- Green (43%)
- Blue (85%)



- Red (36%)
- Yellow (42%)
- Blue (85%)



- Cyan (57%)
- Magenta (50%)
- Yellow (0%)
- Black (15%)



- Cyan (64%)
- Magenta (57%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1705, 0.2068, 0.1686 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 18.1705, 0.2068, 0.1686 by changing the saturation by 10% instead.

■ 18.1705, 0.2068,
0.1686

■ 18.1705, 0.2068,
0.1686

241.8303, 0.2651,
0.2498

■ 11.0725, 0.1914,
0.1494

■ 40.3276, 0.2289,
0.1976

■ 6.1156, 0.1714,
0.1258

■ 56.1555, 0.2369,
0.2088

■ 2.9155, 0.1453,
0.0971

■ 75.6622, 0.2436,
0.2182

■ 1.0878, 0.1110,
0.0633

■ 99.2319, 0.2493,
0.2263

■ 0.0000, 0.0669,
0.0000

127.2493, 0.2541,
0.2334

■ 0.0000, 0.0000,
0.0000

160.0985, 0.2583,

0.2395

198.1640, 0.2619,
0.2450

■ 18.1705, 0.2068,
0.1686

■ 18.1705, 0.2068,
0.1686

■ 13.6443, 0.1885,
0.1379

■ 23.8604, 0.2267,
0.2005

■ 10.1984, 0.1729,
0.1105

■ 30.7860, 0.2468,
0.2319

■ 7.7406, 0.1613,
0.0884


■ 39.0154, 0.2664,
0.2616


■ 6.1581, 0.1541,
0.0727

■ 48.6114, 0.2847,
0.2887

■ 5.8570, 0.1527,
0.0696

■ 59.6324, 0.3015,
0.3130

 72.1335, 0.3165,
0.3344

 86.1671, 0.3299,
0.3531

 97.7392, 0.3357,
0.3671

Harmonies

Analogous

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



18.1705, 0.1493, 0.1690



18.1705, 0.2068, 0.1686



18.1705, 0.3051, 0.1965

Triad

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



18.1705, 0.2068, 0.1686



18.1705, 0.5362, 0.3907



18.1705, 0.1921, 0.4242

Complementary

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



18.1705, 0.2068, 0.1686



56.3019, 0.4046, 0.4491

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.



18.1705, 0.2838, 0.5369



18.1705, 0.2068, 0.1686



18.1705, 0.4810, 0.4714

Square

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



18.1705, 0.2068, 0.1686



18.1705, 0.5215, 0.3162



18.1705, 0.3884, 0.5399



18.1705, 0.1394, 0.2882

Rectangle

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



18.1705, 0.2068, 0.1686



18.1705, 0.3873, 0.2292



18.1705, 0.3884, 0.5399



18.1705, 0.2193, 0.4706

Sweetspot

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



18.1711, 0.2068, 0.1686



71.0733, 0.2851, 0.2892



55.4571, 0.2503, 0.3548



14.5691, 0.2815, 0.2839



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.



18.1711, 0.2068, 0.1686



18.5820, 0.1846, 0.1313



17.8240, 0.2366, 0.1603



12.2784, 0.2981, 0.3082



3.5570, 0.1531, 0.0712



0.3050, 0.1601, 0.0964

Inverse Universe

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



23.3801, 0.4629, 0.3099



27.8382, 0.5161, 0.3091



58.7443, 0.3590, 0.4831



12.4480, 0.3270, 0.3259



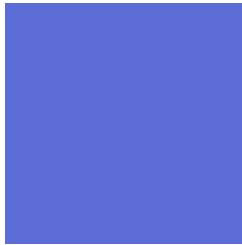
8.7039, 0.6212, 0.3196



0.5341, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 18.1705, 0.2068, 0.1686 looks on a white background.

Color Contrast Check

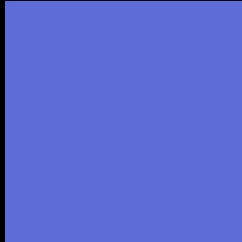
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.1705, 0.2068, 0.1686 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 18.1705, 0.2068, 0.1686

Background



This preview shows how black text looks on a background with the Yxy color 18.1705, 0.2068, 0.1686.



This preview shows how white text looks on a background with the Yxy color 18.1705, 0.2068, 0.1686.

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

18.1705, 0.2068, 0.1686

Protanopia

18.2157, 0.1903, 0.1656

Deuteranopia

18.1864, 0.1831, 0.1790



Tritanopia

18.2654, 0.2399, 0.3079

Trichromacy



Original Color

18.1705, 0.2068, 0.1686

Protanomaly

18.0805, 0.1955, 0.1663

Deuteranomaly

17.6182, 0.1854, 0.1730

Tritanomaly

17.8056, 0.2250, 0.2444

Monochromacy



Original Color

18.1705, 0.2068, 0.1686

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.2031, 0.2635, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1705, 0.2068, 0.1686 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(92, 109, 216)` looks like.

```
.text, #text, p{  
    color:rgb(92, 109, 216)  
}
```

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(92, 109, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 109, 216) }
```

Border

The CSS property to change the border of an element to Yxy 18.1705, 0.2068, 0.1686 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(92, 109, 216) }
```

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

```
.border{ border-color:rgb(92, 109, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 109, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 109, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 109, 216);  
box-shadow:4px 4px 4px 4px rgb(92, 109,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1705, 0.2068, 0.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 109, 216) }
```

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

```
.background{ background-color: rgb(92, 109,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor