

Converting Colors

$Y_{xy}(16.8656, 0.2201, 0.1728)$

Have a look what the booklet for
Yxy(16.8656, 0.2201, 0.1728)
contains.

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Color

Yxy(16.8656, 0.2201, 0.1728)

Conversions

Conversions Part 1

Format	Color
Hex	6966CC
RGB	105, 102, 204
RGB Percent	41%, 40%, 80%
CMY	0.5880, 0.6001, 0.2000
CMYK	0.48, 0.50, 0.00, 0.20
HSL	242°, 50%, 60%
HSV	242°, 50%, 80%
XYZ	21.4822, 16.8656, 59.2541
YIQ	114.5250, -30.9540, 32.3580

Conversions

Conversions Part 2

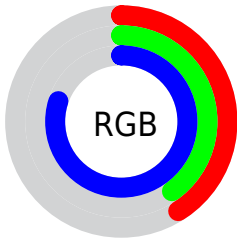
Format	Color
R_{YB}	105, 102, 204
Decimal	6907596
CIE _{Lab}	48.09, 28.32, -52.79
CIE _{LCh}	48, 59.901, 298.211
Yxy	16.8656, 0.2201, 0.1728
Android (android.graphics.Color)	4285097676 (0xFF6966CC)
YUV	114.5250, 44.1112, -8.3534
Hunter-Lab	41.0677, 21.5032, -56.7984

Details

The Yxy color **16.8656, 0.2201, 0.1728** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **56.5547, 0.3827, 0.4504**, and the grayscale version is **16.8677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6838, 0.2442, 0.2075**, and **5.4831, 0.1864, 0.1291** is the 20% darker color. If you saturate the color by 10%, you get **12.2759, 0.1995, 0.1387**, and if you desaturate by 10%, it is **22.7215, 0.2412, 0.2081**.

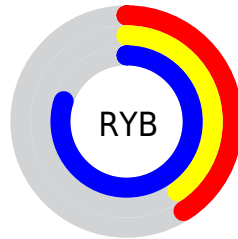
Distribution



Red (41%)

Green (40%)

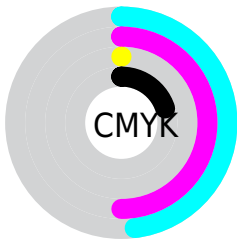
Blue (80%)



Red (41%)

Yellow (40%)

Blue (80%)

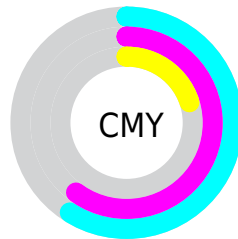


Cyan (48%)

Magenta (50%)

Yellow (0%)

Black (20%)



Cyan (59%)

Magenta (60%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8656, 0.2201, 0.1728 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 16.8656, 0.2201, 0.1728 by changing the saturation by 10% instead.

■ 16.8656, 0.2201,
0.1728

■ 16.8656, 0.2201,
0.1728

■ 234.3967, 0.2726,
0.2530

■ 10.1387, 0.2055,
0.1533

■ 38.0946, 0.2404,
0.2018

■ 5.4910, 0.1863,
0.1292

■ 53.3654, 0.2477,
0.2128

■ 2.5381, 0.1603,
0.0994

■ 72.2530, 0.2537,
0.2221

■ 0.8957, 0.1247,
0.0637

■ 95.1418, 0.2587,
0.2301

■ 0.0000, 0.0729,
0.0000

■ 122.4162, 0.2630,
0.2370

■ 0.0000, 0.0000,
0.0000

154.4605, 0.2666,

0.2430

191.6592, 0.2698,
0.2483

■ 16.8656, 0.2201,
0.1728

■ 16.8656, 0.2201,
0.1728

■ 12.2759, 0.1995,
0.1387

■ 22.7215, 0.2412,
0.2081

■ 8.8575, 0.1810,
0.1084

■ 29.9260, 0.2617,
0.2424

■ 6.5048, 0.1662,
0.0845

■ 38.5563, 0.2807,
0.2745

■ 5.0924, 0.1561,
0.0687


■ 48.6833, 0.2977,
0.3034

■ 4.3998, 0.1508,
0.0605

■ 60.3734, 0.3127,
0.3290

 73.6887, 0.3257,
0.3513

 88.6882, 0.3369,
0.3706

 97.1400, 0.3430,
0.3790

Harmonies

Analogous

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



16.8656, 0.1573, 0.1689



16.8656, 0.2201, 0.1728



16.8656, 0.3227, 0.2044

Triad

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



16.8656, 0.2201, 0.1728



16.8656, 0.5290, 0.4023



16.8656, 0.1833, 0.4014

Complementary

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



16.8656, 0.2201, 0.1728



56.5547, 0.3827, 0.4504

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.



16.8656, 0.2697, 0.5228



16.8656, 0.2201, 0.1728



16.8656, 0.4675, 0.4820

Square

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



16.8656, 0.2201, 0.1728



16.8656, 0.5259, 0.3274



16.8656, 0.3730, 0.5428



16.8656, 0.1374, 0.2731

Rectangle

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



16.8656, 0.2201, 0.1728



16.8656, 0.4046, 0.2389



16.8656, 0.3730, 0.5428



16.8656, 0.2083, 0.4484

Sweetspot

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



16.8662, 0.2201, 0.1728



71.6080, 0.2891, 0.2888



49.5688, 0.2474, 0.3264



14.5752, 0.2854, 0.2825



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.



16.8662, 0.2201, 0.1728



19.8255, 0.1980, 0.1362



20.7972, 0.2658, 0.1899



10.8599, 0.2987, 0.3051



2.7764, 0.1511, 0.0606



0.1490, 0.1547, 0.0626

Inverse Universe

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



26.5506, 0.3216, 0.2125



37.6883, 0.3235, 0.1926



50.7555, 0.3409, 0.4700



11.3977, 0.3142, 0.3068



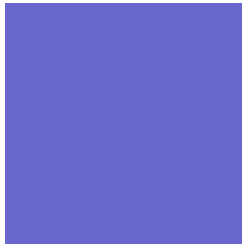
10.6439, 0.3286, 0.1584



0.5510, 0.3269, 0.1575

Previews

White Background



This preview shows how the Yxy color 16.8656, 0.2201, 0.1728 looks on a white background.

Color Contrast Check

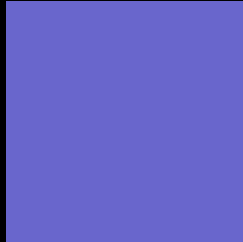
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8656, 0.2201, 0.1728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

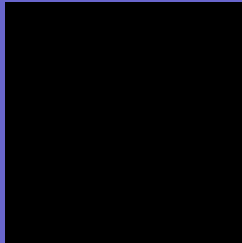
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8656, 0.2201, 0.1728

Background



This preview shows how black text looks on a background with the Yxy color 16.8656, 0.2201, 0.1728.



This preview shows how white text looks on a background with the Yxy color 16.8656, 0.2201, 0.1728.

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

16.8656, 0.2201, 0.1728

Protanopia

17.1336, 0.1919, 0.1681

Deuteranopia

17.1011, 0.1902, 0.1853



Tritanopia

16.8836, 0.2611, 0.3080

Trichromacy



Original Color

16.8656, 0.2201, 0.1728

Protanomaly

16.9148, 0.1996, 0.1690

Deuteranomaly

16.6573, 0.1969, 0.1789

Tritanomaly

16.4687, 0.2434, 0.2458

Monochromacy



Original Color

16.8656, 0.2201, 0.1728

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.6380, 0.2721, 0.2602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8656, 0.2201, 0.1728 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, 102, 204)` looks like.

```
.text, #text, p{  
    color:rgb(105, 102, 204)  
}
```

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, 102, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 102, 204) }
```

Border

The CSS property to change the border of an element to Yxy 16.8656, 0.2201, 0.1728 is called "border". The border property can be set on classes, ids or directly on the HTML element.

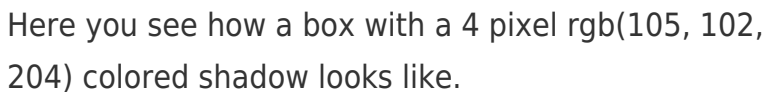
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 102, 204) }
```

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

```
.border{ border-color:rgb(105, 102, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 102, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 102, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 102, 204);  
box-shadow:4px 4px 4px 4px rgb(105, 102,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8656, 0.2201, 0.1728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 102, 204) }
```

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

```
.background{ background-color: rgb(105,  
102, 204) }
```

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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