

Converting Colors

$Y_{xy}(16.8775, 0.2263, 0.1788)$

Have a look what the booklet for
Yxy(16.8775, 0.2263, 0.1788)
contains.

Yxy(16.8775, 0.2263, 0.1788)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8775, 0.2263, 0.1788)

Conversions

Conversions Part 1

Format	Color
Hex	6D66C7
RGB	109, 102, 199
RGB Percent	43%, 40%, 78%
CMY	0.5727, 0.5999, 0.2197
CMYK	0.45, 0.49, 0.00, 0.22
HSL	244°, 46%, 59%
HSV	244°, 49%, 78%
XYZ	21.3612, 16.8775, 56.1545
YIQ	115.1510, -26.9650, 31.6510

Conversions

Conversions Part 2

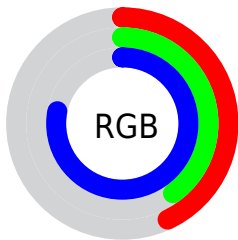
Format	Color
RYB	109, 102, 199
Decimal	7169735
CIELab	48.11, 27.68, -49.86
CIElCh	48, 57.029, 299.035
Yxy	16.8775, 0.2263, 0.1788
Android (android.graphics.Color)	4285359815 (0xFF6D66C7)
YUV	115.1510, 41.3376, -5.3944
Hunter-Lab	41.0822, 20.9192, -52.2848

Details

The Yxy color **16.8775, 0.2263, 0.1788** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **53.0115, 0.3776, 0.4491**, and the grayscale version is **17.0701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0018, 0.2463, 0.2082**, and **5.4761, 0.1938, 0.1358** is the 20% darker color. If you saturate the color by 10%, you get **12.3738, 0.2059, 0.1448**, and if you desaturate by 10%, it is **22.5672, 0.2468, 0.2136**.

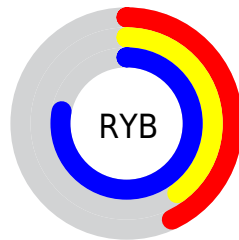
Distribution



Red (43%)

Green (40%)

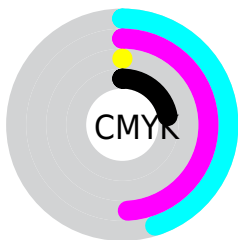
Blue (78%)



Red (43%)

Yellow (40%)

Blue (78%)

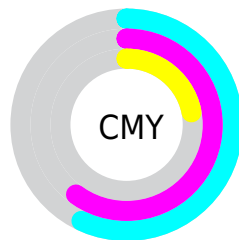


Cyan (45%)

Magenta (49%)

Yellow (0%)

Black (22%)



Cyan (57%)

Magenta (60%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8775, 0.2263, 0.1788 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 16.8775, 0.2263, 0.1788 by changing the saturation by 10% instead.


 16.8775, 0.2263,
0.1788


 16.8775, 0.2263,
0.1788

234.4655, 0.2756,
0.2565


 10.1472, 0.2124,
0.1596


 38.1150, 0.2455,
0.2071


 5.4967, 0.1939,
0.1357


 53.3911, 0.2523,
0.2178

 2.5415, 0.1685,
0.1056

 72.2844, 0.2580,
0.2268

 0.8974, 0.1329,
0.0689

 95.1795, 0.2627,
0.2345

 0.0000, 0.0790,
0.0000

122.4608, 0.2666,
0.2411

 0.0000, 0.0000,
0.0000

154.5126, 0.2701,

0.2469

191.7194, 0.2730,
0.2520

■ 16.8775, 0.2263,
0.1788

■ 16.8775, 0.2263,
0.1788

■ 12.3738, 0.2059,
0.1448

■ 22.5672, 0.2468,
0.2136

■ 8.9705, 0.1871,
0.1140

■ 29.5169, 0.2664,
0.2473

■ 6.5733, 0.1712,
0.0890

■ 37.7965, 0.2843,
0.2786

■ 5.0714, 0.1596,
0.0717

■ 47.4704, 0.3003,
0.3069

■ 4.2930, 0.1527,
0.0621

■ 58.5987, 0.3144,
0.3320

■ 4.2181, 0.1521,
0.0611

■ 71.2381, 0.3266,
0.3539

■ 85.4421, 0.3370,
0.3730

■ 96.9028, 0.3460,
0.3840

Harmonies

Analogous

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



16.8775, 0.1641, 0.1744



16.8775, 0.2263, 0.1788



16.8775, 0.3258, 0.2102

Triad

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



16.8775, 0.2263, 0.1788



16.8775, 0.5198, 0.4040



16.8775, 0.1874, 0.3944

Complementary

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



16.8775, 0.2263, 0.1788



53.0115, 0.3776, 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.



16.8775, 0.2702, 0.5098



16.8775, 0.2263, 0.1788



16.8775, 0.4609, 0.4799

Square

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



16.8775, 0.2263, 0.1788



16.8775, 0.5174, 0.3309



16.8775, 0.3698, 0.5340



16.8775, 0.1433, 0.2738

Rectangle

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



16.8775, 0.2263, 0.1788



16.8775, 0.4037, 0.2442



16.8775, 0.3698, 0.5340



16.8775, 0.2113, 0.4385

Sweetspot

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



16.8781, 0.2263, 0.1788



71.8527, 0.2902, 0.2889



44.8766, 0.2474, 0.3194



14.6331, 0.2866, 0.2827



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.



16.8781, 0.2263, 0.1788



21.5857, 0.2057, 0.1444



20.7942, 0.2725, 0.1957



10.3231, 0.2994, 0.3052



2.7274, 0.1526, 0.0614



0.1420, 0.1614, 0.0663

Inverse Universe

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



25.4544, 0.3258, 0.2193



38.3532, 0.3289, 0.2005



47.7318, 0.3364, 0.4678



10.8030, 0.3148, 0.3078



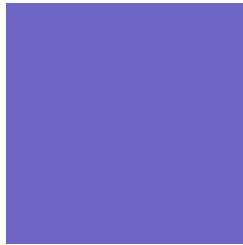
10.0590, 0.3395, 0.1644



0.4803, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 16.8775, 0.2263, 0.1788 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 16.8775, 0.2263, 0.1788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

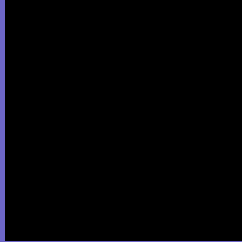
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8775, 0.2263, 0.1788

Background



This preview shows how black text looks on a background with the Yxy color 16.8775, 0.2263, 0.1788.



This preview shows how white text looks on a background with the Yxy color 16.8775, 0.2263, 0.1788.

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

16.8775, 0.2263, 0.1788

Protanopia

17.0812, 0.1964, 0.1737

Deuteranopia

16.9508, 0.1962, 0.1905



Tritanopia

16.9258, 0.2697, 0.3103

Trichromacy



Original Color

16.8775, 0.2263, 0.1788

Protanomaly

16.9267, 0.2053, 0.1749

Deuteranomaly

16.5608, 0.2038, 0.1841

Tritanomaly

16.6847, 0.2515, 0.2518

Monochromacy



Original Color

16.8775, 0.2263, 0.1788

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7379, 0.2754, 0.2623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8775, 0.2263, 0.1788 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(109, 102, 199)` looks like.

```
.text, #text, p{  
    color:rgb(109, 102, 199)  
}
```

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(109, 102, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 102, 199) }
```

Border

The CSS property to change the border of an element to Yxy 16.8775, 0.2263, 0.1788 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(109, 102, 199) }
```

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

```
.border{ border-color:rgb(109, 102, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 102, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 102, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 102, 199);  
box-shadow:4px 4px 4px 4px rgb(109, 102,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8775, 0.2263, 0.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 102, 199) }
```

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

```
.background{ background-color: rgb(109,  
102, 199) }
```

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