

Converting Colors

$Y_{xy}(16.8620, 0.2239, 0.1666)$

Have a look what the booklet for
Yxy(16.8620, 0.2239, 0.1666)
contains.

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Color

Yxy(16.8668, 0.2240, 0.1665)

Conversions

Conversions Part 1

Format	Color
Hex	7262D0
RGB	114, 98, 208
RGB Percent	45%, 38%, 82%
CMY	0.5530, 0.6157, 0.1843
CMYK	0.45, 0.53, 0.00, 0.18
HSL	249°, 54%, 60%
HSV	249°, 53%, 82%
XYZ	22.6917, 16.8668, 61.7436
YIQ	115.3240, -25.7740, 37.6020

Conversions

Conversions Part 2

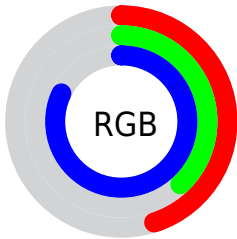
Format	Color
RYB	114, 98, 208
Decimal	7496400
CIELab	48.09, 33.92, -55.04
CIELCh	48, 64.652, 301.647
Yxy	16.8668, 0.2240, 0.1665
Android (android.graphics.Color)	4285686480 (0xFF7262D0)
YUV	115.3240, 45.6893, -1.1611
Hunter-Lab	41.0692, 26.7542, -60.3884

Details

The Yxy color **16.8668, 0.2240, 0.1665** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **57.2124, 0.3755, 0.4619**, and the grayscale version is **17.1121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3728, 0.2500, 0.2049**, and **5.5083, 0.1911, 0.1229** is the 20% darker color. If you saturate the color by 10%, you get **12.3889, 0.2046, 0.1341**, and if you desaturate by 10%, it is **22.5889, 0.2436, 0.2006**.

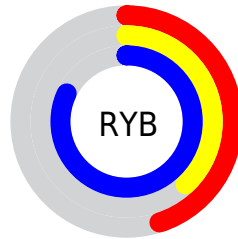
Distribution



Red (45%)

Green (38%)

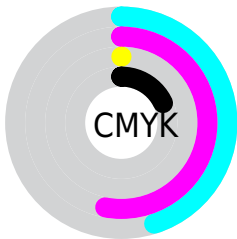
Blue (82%)



Red (45%)

Yellow (38%)

Blue (82%)

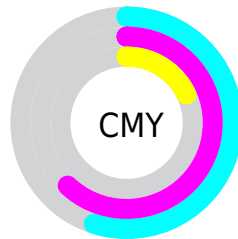


Cyan (45%)

Magenta (53%)

Yellow (0%)

Black (18%)



Cyan (55%)


Magenta (62%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8668, 0.2240, 0.1665 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 16.8668, 0.2240, 0.1665 by changing the saturation by 10% instead.


 16.8668, 0.2240,
0.1665


 16.8668, 0.2240,
0.1665


234.4036, 0.2746,
0.2488


 10.1396, 0.2099,
0.1469


 38.0966, 0.2436,
0.1960


 5.4916, 0.1912,
0.1229


 53.3680, 0.2507,
0.2073

 2.5385, 0.1660,
0.0937

 72.2562, 0.2565,
0.2168

 0.8958, 0.1313,
0.0592

 95.1456, 0.2613,
0.2251

 0.0000, 0.0845,
0.0000

122.4207, 0.2654,
0.2322

 0.0000, 0.0000,
0.0000

154.4658, 0.2689,

0.2384

191.6653, 0.2719,
0.2439

■ 16.8668, 0.2240,
0.1665

■ 16.8668, 0.2240,
0.1665

■ 12.3889, 0.2046,
0.1341

■ 22.5889, 0.2436,
0.2006

■ 9.0599, 0.1868,
0.1058

■ 29.6374, 0.2625,
0.2343

■ 6.7733, 0.1718,
0.0837

■ 38.0894, 0.2799,
0.2663

■ 5.4014, 0.1608,
0.0692

■ 48.0157, 0.2954,
0.2956

■ 4.8340, 0.1554,
0.0630

■ 59.4820, 0.3091,
0.3220

■ 72.5504, 0.3210,
0.3453

■ 87.2793, 0.3311,
0.3657

■ 97.3348, 0.3406,
0.3750

Harmonies

Analogous

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



16.8668, 0.1538, 0.1586



16.8668, 0.2240, 0.1665



16.8668, 0.3375, 0.2025

Triad

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



16.8668, 0.2240, 0.1665



16.8668, 0.5370, 0.4118



16.8668, 0.1661, 0.3888

Complementary

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



16.8668, 0.2240, 0.1665



57.2124, 0.3755, 0.4619

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.



16.8668, 0.2523, 0.5303



16.8668, 0.2240, 0.1665



16.8668, 0.4635, 0.4977

Square

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



16.8668, 0.2240, 0.1665



16.8668, 0.5461, 0.3331



16.8668, 0.3606, 0.5620



16.8668, 0.1245, 0.2552

Rectangle

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



16.8668, 0.2240, 0.1665



16.8668, 0.4261, 0.2400



16.8668, 0.3606, 0.5620



16.8668, 0.1904, 0.4414

Sweetspot

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



16.8674, 0.2240, 0.1665



70.6497, 0.2905, 0.2862



45.4454, 0.2410, 0.3079



14.4137, 0.2873, 0.2802



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.



16.8674, 0.2240, 0.1665



19.1172, 0.2030, 0.1315



21.5806, 0.2754, 0.1867



11.4989, 0.3004, 0.3051



3.0380, 0.1562, 0.0634



0.1969, 0.1706, 0.0713

Inverse Universe

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



25.9558, 0.3363, 0.2187



35.1351, 0.3423, 0.2012



51.4336, 0.3319, 0.4836



11.9783, 0.3160, 0.3094



10.3670, 0.3611, 0.1763



0.5879, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 16.8668, 0.2240, 0.1665 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 16.8668, 0.2240, 0.1665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

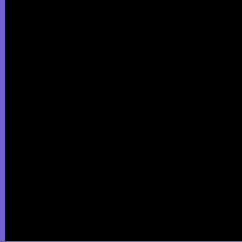
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8668, 0.2240, 0.1665

Background



This preview shows how black text looks on a background with the Yxy color 16.8668, 0.2240, 0.1665.



This preview shows how white text looks on a background with the Yxy color 16.8668, 0.2240, 0.1665.

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

16.8668, 0.2240, 0.1665

Protanopia

17.0253, 0.1849, 0.1583

Deuteranopia

17.0571, 0.1865, 0.1813



Tritanopia

16.8425, 0.2726, 0.3084

Trichromacy



Original Color

16.8668, 0.2240, 0.1665

Protanomaly

16.6824, 0.1950, 0.1603

Deuteranomaly

16.2149, 0.1927, 0.1719

Tritanomaly

16.5699, 0.2524, 0.2440

Monochromacy



Original Color

16.8668, 0.2240, 0.1665

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7520, 0.2745, 0.2560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8668, 0.2240, 0.1665 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(114, 98, 208)` looks like.

```
.text, #text, p{  
    color:rgb(114, 98, 208)  
}
```

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(114, 98, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 98, 208) }
```

Border

The CSS property to change the border of an element to Yxy 16.8668, 0.2240, 0.1665 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(114, 98, 208) }
```

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

```
.border{ border-color:rgb(114, 98, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 98, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 98, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 98, 208);  
box-shadow:4px 4px 4px 4px rgb(114, 98,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8668, 0.2240, 0.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 98, 208) }
```

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

```
.background{ background-color: rgb(114, 98,  
208) }
```

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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