

Converting Colors

$Y_{xy}(16.7945, 0.2217, 0.1743)$

Have a look what the booklet for
Yxy(16.7945, 0.2217, 0.1743)
contains.

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Color

Yxy(16.8312, 0.2220, 0.1750)

Conversions

Conversions Part 1

Format	Color
Hex	6A66CA
RGB	106, 102, 202
RGB Percent	42%, 40%, 79%
CMY	0.5845, 0.5999, 0.2079
CMYK	0.48, 0.49, 0.00, 0.21
HSL	242°, 49%, 60%
HSV	242°, 49%, 79%
XYZ	21.3516, 16.8312, 57.9955
YIQ	114.5960, -29.7160, 31.9480

Conversions

Conversions Part 2

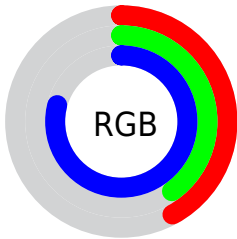
Format	Color
RYB	106, 102, 202
Decimal	6973130
CIELab	48.05, 27.89, -51.70
CIELCh	48, 58.738, 298.343
Yxy	16.8312, 0.2220, 0.1750
Android (android.graphics.Color)	4285163210 (0xFF6A66CA)
YUV	114.5960, 43.0902, -7.5387
Hunter-Lab	41.0258, 21.1037, -55.0962

Details

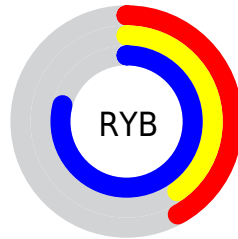
The Yxy color **16.8312, 0.2220, 0.1750** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **55.2090, 0.3813, 0.4496**, and the grayscale version is **16.8894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6838, 0.2442, 0.2075**, and **5.4673, 0.1889, 0.1315** is the 20% darker color. If you saturate the color by 10%, you get **12.2761, 0.2014, 0.1409**, and if you desaturate by 10%, it is **22.6234, 0.2430, 0.2102**.

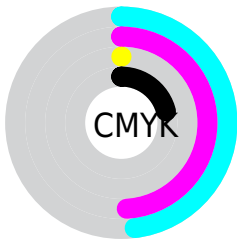
Distribution



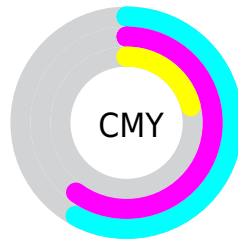
- Red (42%)
- Green (40%)
- Blue (79%)



- Red (42%)
- Yellow (40%)
- Blue (79%)



- Cyan (48%)
- Magenta (49%)
- Yellow (0%)
- Black (21%)





- Cyan (58%)
- Magenta (60%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8312, 0.2220, 0.1750 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 16.8312, 0.2220, 0.1750 by changing the saturation by 10% instead.


 16.8312, 0.2220,
0.1750


 16.8312, 0.2220,
0.1750


234.1978, 0.2735,
0.2543


 10.1142, 0.2076,
0.1556


 38.0353, 0.2420,
0.2038


 5.4748, 0.1886,
0.1315


 53.2912, 0.2491,
0.2147

 2.5284, 0.1627,
0.1016

 72.1623, 0.2550,
0.2239

 0.8908, 0.1270,
0.0654

 95.0328, 0.2599,
0.2318

 0.0000, 0.0739,
0.0000

122.2872, 0.2641,
0.2386

 0.0000, 0.0000,
0.0000

154.3099, 0.2677,

0.2445

191.4853, 0.2708,
0.2497

■ 16.8312, 0.2220,
0.1750

■ 16.8312, 0.2220,
0.1750

■ 12.2761, 0.2014,
0.1409

■ 22.6234, 0.2430,
0.2102

■ 8.8667, 0.1828,
0.1103

■ 29.7321, 0.2632,
0.2443

■ 6.5014, 0.1676,
0.0860

■ 38.2318, 0.2819,
0.2761

■ 5.0603, 0.1570,
0.0696

■ 48.1912, 0.2987,
0.3048

■ 4.3438, 0.1513,
0.0609

■ 59.6742, 0.3134,
0.3302

■ 4.3154, 0.1511,
0.0606

■ 72.7410, 0.3262,
0.3523

■ 87.4487, 0.3372,
0.3715

■ 97.0439, 0.3442,
0.3810

Harmonies

Analogous

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



16.8312, 0.1596, 0.1711



16.8312, 0.2220, 0.1750



16.8312, 0.3232, 0.2064

Triad

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



16.8312, 0.2220, 0.1750



16.8312, 0.5256, 0.4025



16.8312, 0.1853, 0.3995

Complementary

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



16.8312, 0.2220, 0.1750



55.2090, 0.3813, 0.4496

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.



16.8312, 0.2705, 0.5182



16.8312, 0.2220, 0.1750



16.8312, 0.4655, 0.4808

Square

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



16.8312, 0.2220, 0.1750



16.8312, 0.5223, 0.3284



16.8312, 0.3724, 0.5393



16.8312, 0.1398, 0.2740

Rectangle

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



16.8312, 0.2220, 0.1750



16.8312, 0.4035, 0.2406



16.8312, 0.3724, 0.5393



16.8312, 0.2100, 0.4453

Sweetspot

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



16.8318, 0.2220, 0.1750



71.6625, 0.2893, 0.2888



47.7802, 0.2475, 0.3241



14.5881, 0.2857, 0.2826



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.



16.8318, 0.2220, 0.1750



20.5783, 0.2008, 0.1398



20.7717, 0.2682, 0.1921



10.8648, 0.2988, 0.3051



2.7862, 0.1514, 0.0608



0.1513, 0.1561, 0.0633

Inverse Universe

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



26.1407, 0.3225, 0.2145



38.1150, 0.3246, 0.1953



49.5559, 0.3393, 0.4690



11.3958, 0.3144, 0.3070



10.5903, 0.3310, 0.1597



0.5488, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 16.8312, 0.2220, 0.1750 looks on a white background.

Color Contrast Check

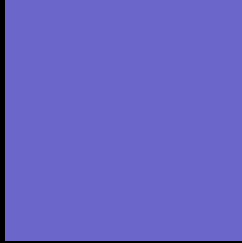
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8312, 0.2220, 0.1750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

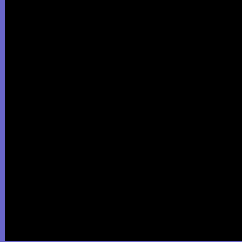
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8312, 0.2220, 0.1750

Background



This preview shows how black text looks on a background with the Yxy color 16.8312, 0.2220, 0.1750.



This preview shows how white text looks on a background with the Yxy color 16.8312, 0.2220, 0.1750.

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

16.8312, 0.2220, 0.1750

Protanopia

17.0962, 0.1935, 0.1702

Deuteranopia

16.8986, 0.1922, 0.1863



Tritanopia

16.7099, 0.2637, 0.3080

Trichromacy



Original Color

16.8312, 0.2220, 0.1750

Protanomaly

16.8989, 0.2016, 0.1713

Deuteranomaly

16.4802, 0.1992, 0.1799

Tritanomaly

16.5377, 0.2460, 0.2478

Monochromacy



Original Color

16.8312, 0.2220, 0.1750

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7032, 0.2733, 0.2605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8312, 0.2220, 0.1750 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(106, 102, 202)` looks like.

```
.text, #text, p{  
    color:rgb(106, 102, 202)  
}
```

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(106, 102, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 102, 202) }
```

Border

The CSS property to change the border of an element to Yxy 16.8312, 0.2220, 0.1750 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(106, 102, 202) }
```

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

```
.border{ border-color:rgb(106, 102, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 102, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 102, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 102, 202);  
box-shadow:4px 4px 4px 4px rgb(106, 102,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8312, 0.2220, 0.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 102, 202) }
```

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

```
.background{ background-color: rgb(106,  
102, 202) }
```

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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