

Converting Colors

$Y_{xy}(16.7419, 0.2202, 0.1696)$

Have a look what the booklet for
Yxy(16.7419, 0.2202, 0.1696)
contains.

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Color

Yxy(16.6964, 0.2200, 0.1688)

Conversions

Conversions Part 1

Format	Color
Hex	6B64CE
RGB	107, 100, 206
RGB Percent	42%, 39%, 81%
CMY	0.5803, 0.6078, 0.1922
CMYK	0.48, 0.51, 0.00, 0.19
HSL	244°, 52%, 60%
HSV	244°, 51%, 81%
XYZ	21.7607, 16.6964, 60.4552
YIQ	114.1770, -29.8540, 34.4500

Conversions

Conversions Part 2

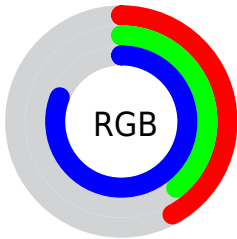
Format	Color
RYB	107, 100, 206
Decimal	7038158
CIELab	47.88, 30.55, -54.25
CIELCh	48, 62.264, 299.387
Yxy	16.6964, 0.2200, 0.1688
Android (android.graphics.Color)	4285228238 (0xFF6B64CE)
YUV	114.1770, 45.2687, -6.2942
Hunter-Lab	40.8612, 23.5533, -59.1182

Details

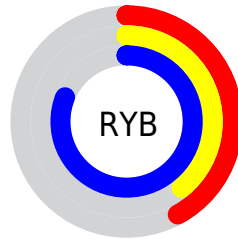
The Yxy color **16.6964, 0.2200, 0.1688** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **57.1896, 0.3812, 0.4551**, and the grayscale version is **16.7529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2457, 0.2453, 0.2056**, and **5.4089, 0.1862, 0.1247** is the 20% darker color. If you saturate the color by 10%, you get **12.1699, 0.1998, 0.1353**, and if you desaturate by 10%, it is **22.4878, 0.2407, 0.2037**.

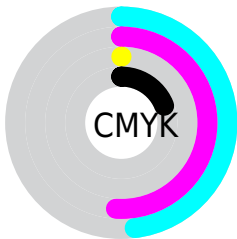
Distribution



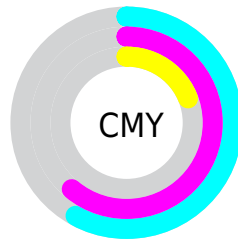
- Red (42%)
- Green (39%)
- Blue (81%)



- Red (42%)
- Yellow (39%)
- Blue (81%)



- Cyan (48%)
- Magenta (51%)
- Yellow (0%)
- Black (19%)




- Cyan (58%)
- Magenta (61%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6964, 0.2200, 0.1688 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 16.6964, 0.2200, 0.1688 by changing the saturation by 10% instead.


 16.6964, 0.2200,
0.1688


 16.6964, 0.2200,
0.1688


233.4167, 0.2726,
0.2506


 10.0183, 0.2054,
0.1491


 37.8030, 0.2404,
0.1983


 5.4111, 0.1861,
0.1250


 53.0003, 0.2477,
0.2095

 2.4904, 0.1601,
0.0953

 71.8062, 0.2537,
0.2190

 0.8718, 0.1246,
0.0601

 94.6049, 0.2587,
0.2271

 0.0000, 0.0744,
0.0000

121.7809, 0.2630,
0.2342

 0.0000, 0.0000,
0.0000

153.7186, 0.2667,

0.2403

190.8024, 0.2699,
0.2458

■ 16.6964, 0.2200,
0.1688

■ 16.6964, 0.2200,
0.1688

■ 12.1699, 0.1998,
0.1353

■ 22.4878, 0.2407,
0.2037

■ 8.8122, 0.1816,
0.1059

■ 29.6274, 0.2607,
0.2380

■ 6.5158, 0.1670,
0.0829


■ 38.1933, 0.2793,
0.2702


■ 5.1526, 0.1568,
0.0680


■ 48.2572, 0.2960,
0.2995

■ 4.5458, 0.1518,
0.0610

■ 59.8860, 0.3107,
0.3255

 73.1423, 0.3235,
0.3483

 88.0856, 0.3345,
0.3681

 97.2353, 0.3418,
0.3771

Harmonies

Analogous

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



16.6964, 0.1542, 0.1634



16.6964, 0.2200, 0.1688



16.6964, 0.3276, 0.2022

Triad

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



16.6964, 0.2200, 0.1688



16.6964, 0.5346, 0.4056



16.6964, 0.1755, 0.3985

Complementary

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



16.6964, 0.2200, 0.1688



57.1896, 0.3812, 0.4551

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.



16.6964, 0.2627, 0.5292



16.6964, 0.2200, 0.1688



16.6964, 0.4677, 0.4886

Square

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



16.6964, 0.2200, 0.1688



16.6964, 0.5361, 0.3288



16.6964, 0.3690, 0.5525



16.6964, 0.1308, 0.2658

Rectangle

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



16.6964, 0.2200, 0.1688



16.6964, 0.4131, 0.2380



16.6964, 0.3690, 0.5525



16.6964, 0.2005, 0.4484

Sweetspot

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



16.6970, 0.2200, 0.1688



71.8211, 0.2900, 0.2889



48.7894, 0.2450, 0.3213



14.6256, 0.2865, 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.



16.6970, 0.2200, 0.1688



18.8999, 0.1973, 0.1312



20.8683, 0.2676, 0.1871



10.8789, 0.2992, 0.3051



2.8150, 0.1523, 0.0613



0.1579, 0.1601, 0.0656

Inverse Universe

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



26.3551, 0.3260, 0.2132



36.3546, 0.3293, 0.1933



51.3203, 0.3386, 0.4757



11.3904, 0.3148, 0.3076



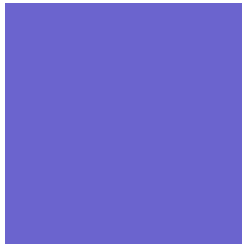
10.4388, 0.3381, 0.1636



0.5425, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 16.6964, 0.2200, 0.1688 looks on a white background.

Color Contrast Check

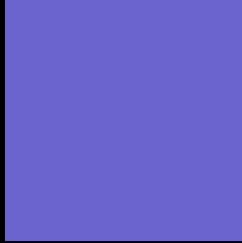
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6964, 0.2200, 0.1688 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 16.6964, 0.2200, 0.1688

Background



This preview shows how black text looks on a background with the Yxy color 16.6964, 0.2200, 0.1688.



This preview shows how white text looks on a background with the Yxy color 16.6964, 0.2200, 0.1688.

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

16.6964, 0.2200, 0.1688

Protanopia

16.8940, 0.1882, 0.1631

Deuteranopia

16.7587, 0.1870, 0.1818



Tritanopia

16.7099, 0.2637, 0.3080

Trichromacy



Original Color

16.6964, 0.2200, 0.1688

Protanomaly

16.4780, 0.1965, 0.1637

Deuteranomaly

16.3044, 0.1934, 0.1753

Tritanomaly

16.3498, 0.2449, 0.2443

Monochromacy



Original Color

16.6964, 0.2200, 0.1688

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.4234, 0.2720, 0.2583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6964, 0.2200, 0.1688 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(107, 100, 206)` looks like.

```
.text, #text, p{  
    color:rgb(107, 100, 206)  
}
```

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(107, 100, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 100, 206) }
```

Border

The CSS property to change the border of an element to Yxy 16.6964, 0.2200, 0.1688 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(107, 100, 206) }
```

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

```
.border{ border-color:rgb(107, 100, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 100, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 100, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 100, 206);  
box-shadow:4px 4px 4px 4px rgb(107, 100,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6964, 0.2200, 0.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 100, 206) }
```

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

```
.background{ background-color: rgb(107,  
100, 206) }
```

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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