

Converting Colors

$Y_{xy}(16.6713, 0.2235, 0.1821)$

Have a look what the booklet for
Yxy(16.6713, 0.2235, 0.1821)
contains.

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Color

Yxy(16.7697, 0.2237, 0.1830)

Conversions

Conversions Part 1

Format	Color
Hex	6768C4
RGB	103, 104, 196
RGB Percent	40%, 41%, 77%
CMY	0.5964, 0.5920, 0.2315
CMYK	0.47, 0.47, 0.00, 0.23
HSL	239°, 44%, 59%
HSV	239°, 47%, 77%
XYZ	20.4994, 16.7697, 54.3687
YIQ	114.1890, -30.1280, 28.4000

Conversions

Conversions Part 2

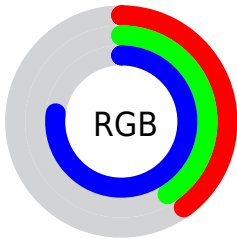
Format	Color
R _{YB}	103, 104, 196
Decimal	6777028
CIE _{Lab}	47.97, 24.12, -48.38
CIE _{LCh}	48, 54.060, 296.503
Yxy	16.7697, 0.2237, 0.1830
Android (android.graphics.Color)	4284967108 (0xFF6768C4)
YUV	114.1890, 40.3328, -9.8128
Hunter-Lab	40.9508, 17.6904, -50.0512

Details

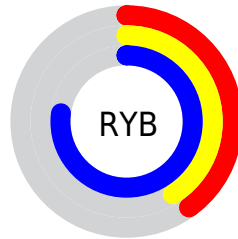
The Yxy color **16.7697, 0.2237, 0.1830** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **51.6878, 0.3826, 0.4425**, and the grayscale version is **16.7680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9055, 0.2436, 0.2111**, and **5.4371, 0.1899, 0.1390** is the 20% darker color. If you saturate the color by 10%, you get **12.2825, 0.2028, 0.1484**, and if you desaturate by 10%, it is **22.4248, 0.2450, 0.2181**.

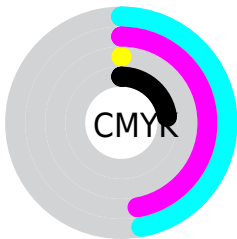
Distribution



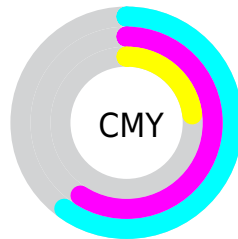
- Red (40%)
- Green (41%)
- Blue (77%)



- Red (40%)
- Yellow (41%)
- Blue (77%)



- Cyan (47%)
- Magenta (47%)
- Yellow (0%)
- Black (23%)



- Cyan (60%)
- Magenta (59%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7697, 0.2237, 0.1830 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 16.7697, 0.2237, 0.1830 by changing the saturation by 10% instead.

■ 16.7697, 0.2237,
0.1830

■ 16.7697, 0.2237,
0.1830

233.8417, 0.2743,
0.2593

■ 10.0704, 0.2095,
0.1639

■ 37.9294, 0.2434,
0.2110

■ 5.4457, 0.1905,
0.1399

■ 53.1586, 0.2504,
0.2215

■ 2.5111, 0.1645,
0.1095

■ 71.9999, 0.2562,
0.2303

■ 0.8822, 0.1281,
0.0718

■ 94.8377, 0.2610,
0.2378

■ 0.0000, 0.0675,
0.0000

122.0564, 0.2651,
0.2443

■ 0.0000, 0.0000,
0.0000

154.0403, 0.2686,

0.2499

191.1740, 0.2716,
0.2549

■ 16.7697, 0.2237,
0.1830

■ 16.7697, 0.2237,
0.1830

■ 12.2825, 0.2028,
0.1484

■ 22.4248, 0.2450,
0.2181

■ 8.8802, 0.1837,
0.1168

■ 29.3197, 0.2655,
0.2517

■ 6.4715, 0.1681,
0.0908

■ 37.5227, 0.2844,
0.2827

■ 4.9494, 0.1572,
0.0725

■ 47.0963, 0.3014,
0.3104

■ 4.1727, 0.1513,
0.0625

■ 58.0993, 0.3163,
0.3348

■ 4.0349, 0.1502,
0.0607

■ 70.5868, 0.3293,
0.3560

■ 84.6112, 0.3405,
0.3743

■ 96.7646, 0.3478,
0.3870

Harmonies

Analogous

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



16.7697, 0.1663, 0.1814



16.7697, 0.2237, 0.1830



16.7697, 0.3165, 0.2114

Triad

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



16.7697, 0.2237, 0.1830



16.7697, 0.5136, 0.3970



16.7697, 0.1987, 0.4018

Complementary

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



16.7697, 0.2237, 0.1830



51.6878, 0.3826, 0.4425

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.



16.7697, 0.2811, 0.5053



16.7697, 0.2237, 0.1830



16.7697, 0.4624, 0.4695

Square

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



16.7697, 0.2237, 0.1830



16.7697, 0.5040, 0.3265



16.7697, 0.3772, 0.5222



16.7697, 0.1521, 0.2854

Rectangle

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



16.7697, 0.2237, 0.1830



16.7697, 0.3902, 0.2432



16.7697, 0.3772, 0.5222



16.7697, 0.2230, 0.4424

Sweetspot

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



16.7703, 0.2237, 0.1830



73.3671, 0.2901, 0.2921



46.2645, 0.2512, 0.3311



14.9236, 0.2863, 0.2858



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.



16.7703, 0.2237, 0.1830



21.9617, 0.2019, 0.1470



19.9579, 0.2657, 0.1964



9.7666, 0.2983, 0.3055



2.6021, 0.1503, 0.0609



0.1191, 0.1512, 0.0641

Inverse Universe

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



22.4195, 0.4403, 0.3279



33.4923, 0.4862, 0.3279



47.0285, 0.3425, 0.4610



10.0798, 0.3287, 0.3288



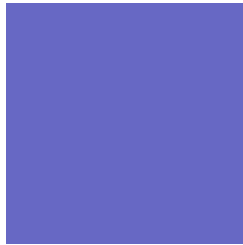
7.5449, 0.6386, 0.3292



0.3267, 0.6331, 0.3261

Previews

White Background



This preview shows how the Yxy color 16.7697, 0.2237, 0.1830 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 16.7697, 0.2237, 0.1830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

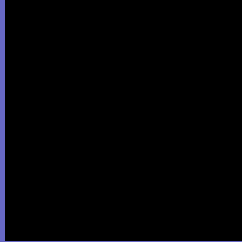
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7697, 0.2237, 0.1830

Background



This preview shows how black text looks on a background with the Yxy color 16.7697, 0.2237, 0.1830.

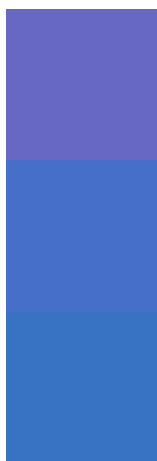


This preview shows how white text looks on a background with the Yxy color 16.7697, 0.2237, 0.1830.

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

16.7697, 0.2237, 0.1830

Protanopia

16.9352, 0.2008, 0.1802

Deuteranopia

16.9687, 0.1987, 0.1932



Tritanopia

16.6634, 0.2627, 0.3079

Trichromacy



Original Color

16.7697, 0.2237, 0.1830

Protanomaly

16.6891, 0.2076, 0.1798

Deuteranomaly

16.6867, 0.2051, 0.1879

Tritanomaly

16.5587, 0.2469, 0.2543

Monochromacy



Original Color

16.7697, 0.2237, 0.1830

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.4805, 0.2740, 0.2650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7697, 0.2237, 0.1830 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(103, 104, 196)` looks like.

```
.text, #text, p{  
    color:rgb(103, 104, 196)  
}
```

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(103, 104, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 104, 196) }
```

Border

The CSS property to change the border of an element to Yxy 16.7697, 0.2237, 0.1830 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(103, 104, 196) }
```

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

```
.border{ border-color:rgb(103, 104, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 104, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 104, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 104, 196);  
box-shadow:4px 4px 4px 4px rgb(103, 104,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7697, 0.2237, 0.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 104, 196) }
```

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

```
.background{ background-color: rgb(103,  
104, 196) }
```

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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