

Converting Colors

$Y_{xy}(16.9775, 0.2406, 0.2099)$

Have a look what the booklet for
Yxy(16.9775, 0.2406, 0.2099)
contains.

Yxy(16.8555, 0.2403, 0.2092)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8555, 0.2403, 0.2092)

Conversions

Conversions Part 1

Format	Color
Hex	6B6BB2
RGB	107, 107, 178
RGB Percent	42%, 42%, 70%
CMY	0.5802, 0.5804, 0.3019
CMYK	0.40, 0.40, 0.00, 0.30
HSL	240°, 32%, 56%
HSV	240°, 40%, 70%
XYZ	19.3613, 16.8555, 44.3545
YIQ	115.0940, -22.7910, 22.0810

Conversions

Conversions Part 2

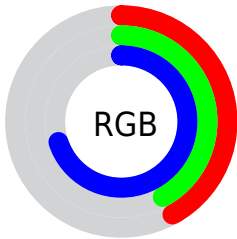
Format	Color
R_{YB}	107, 107, 178
Decimal	7039922
CIE _{Lab}	48.08, 18.00, -37.78
CIE _{LCh}	48, 41.849, 295.473
Yxy	16.8555, 0.2403, 0.2092
Android (android.graphics.Color)	4285230002 (0xFF6B6BB2)
YUV	115.0940, 31.0127, -7.0984
Hunter-Lab	41.0555, 12.3315, -35.3154

Details

The Yxy color **16.8555, 0.2403, 0.2092** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42.3622, 0.3714, 0.4261**, and the grayscale version is **17.0860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9713, 0.2567, 0.2334**, and **5.4967, 0.2108, 0.1695** is the 20% darker color. If you saturate the color by 10%, you get **12.5273, 0.2190, 0.1740**, and if you desaturate by 10%, it is **22.1756, 0.2610, 0.2434**.

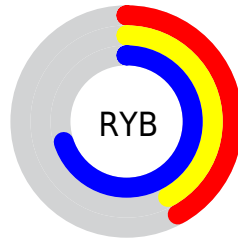
Distribution



Red (42%)

Green (42%)

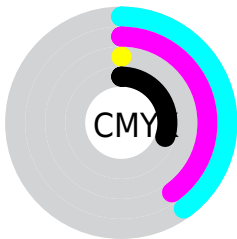
Blue (70%)



Red (42%)

Yellow (42%)

Blue (70%)

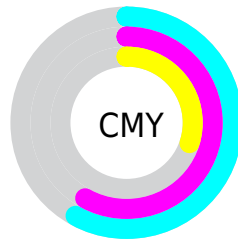


Cyan (40%)

Magenta (40%)

Yellow (0%)

Black (30%)



Cyan (58%)

Magenta (58%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8555, 0.2403, 0.2092 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 16.8555, 0.2403, 0.2092 by changing the saturation by 10% instead.

■ 16.8555, 0.2403,
0.2092

■ 16.8555, 0.2403,
0.2092

234.3383, 0.2820,
0.2738

■ 10.1315, 0.2281,
0.1920

■ 38.0772, 0.2568,
0.2336

■ 5.4862, 0.2113,
0.1695

■ 53.3436, 0.2626,
0.2425

■ 2.5353, 0.1874,
0.1394

■ 72.2264, 0.2673,
0.2499

■ 0.8942, 0.1517,
0.0988

■ 95.1098, 0.2712,
0.2562

■ 0.0000, 0.0680,
0.0000

122.3783, 0.2746,
0.2616

■ 0.0000, 0.0000,
0.0000

154.4163, 0.2774,

0.2662

191.6082, 0.2798,
0.2702

■ 16.8555, 0.2403,
0.2092

■ 16.8555, 0.2403,
0.2092

■ 12.5273, 0.2190,
0.1740

■ 22.1756, 0.2610,
0.2434

■ 9.1281, 0.1984,
0.1398

■ 28.5418, 0.2802,
0.2752

■ 6.5903, 0.1799,
0.1094

■ 36.0065, 0.2976,
0.3039

■ 4.8367, 0.1653,
0.0852

■ 44.6181, 0.3129,
0.3292

■ 3.7764, 0.1555,
0.0691

■ 54.4222, 0.3262,
0.3513

■ 3.2207, 0.1501,
0.0601

■ 65.4616, 0.3377,
0.3703

■ 3.2155, 0.1500,
0.0600

■ 77.7774, 0.3476,
0.3867

■ 91.4085, 0.3560,
0.4007

■ 95.9945, 0.3585,
0.4047

Harmonies

Analogous

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



16.8555, 0.1925, 0.2099



16.8555, 0.2403, 0.2092



16.8555, 0.3143, 0.2323

Triad

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



16.8555, 0.2403, 0.2092



16.8555, 0.4733, 0.3889



16.8555, 0.2258, 0.3883

Complementary

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



16.8555, 0.2403, 0.2092



42.3622, 0.3714, 0.4261

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.



16.8555, 0.2944, 0.4620



16.8555, 0.2403, 0.2092



16.8555, 0.4383, 0.4449

Square

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



16.8555, 0.2403, 0.2092



16.8555, 0.4601, 0.3295



16.8555, 0.3721, 0.4792



16.8555, 0.1839, 0.3009

Rectangle

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



16.8555, 0.2403, 0.2092



16.8555, 0.3710, 0.2589



16.8555, 0.3721, 0.4792



16.8555, 0.2463, 0.4171

Sweetspot

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



16.8561, 0.2403, 0.2092



61.9814, 0.2937, 0.2976



38.1821, 0.2585, 0.3288



13.3356, 0.2916, 0.2940



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8561, 0.2403, 0.2092



23.4704, 0.2213, 0.1777



19.5221, 0.2767, 0.2202



8.2305, 0.2985, 0.3055



2.3007, 0.1500, 0.0600



0.0725, 0.1502, 0.0601

Inverse Universe

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



23.1904, 0.3173, 0.2325



36.5815, 0.3182, 0.2130



38.6986, 0.3376, 0.4382



8.6466, 0.3138, 0.3066



9.0679, 0.3211, 0.1543



0.2854, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 16.8555, 0.2403, 0.2092 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 16.8555, 0.2403, 0.2092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

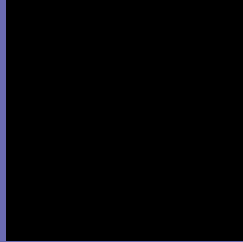
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.8555, 0.2403, 0.2092

Background



This preview shows how black text looks on a background with the Yxy color 16.8555, 0.2403, 0.2092.

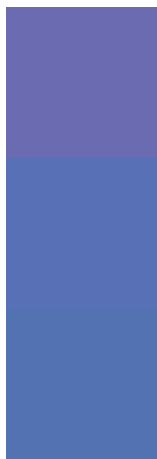


This preview shows how white text looks on a background with the Yxy color 16.8555, 0.2403, 0.2092.

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

16.8555, 0.2403, 0.2092

Protanopia

16.9920, 0.2223, 0.2079

Deuteranopia

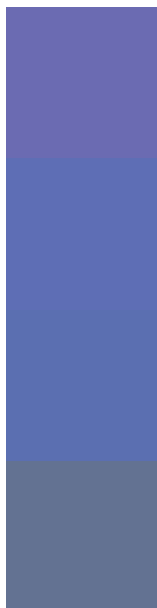
17.0028, 0.2224, 0.2169



Tritanopia

16.9221, 0.2757, 0.3105

Trichromacy



Original Color

16.8555, 0.2403, 0.2092

Protanomaly

16.8677, 0.2277, 0.2072

Deuteranomaly

16.7674, 0.2282, 0.2134

Tritanomaly

16.7626, 0.2609, 0.2674

Monochromacy



Original Color

16.8555, 0.2403, 0.2092

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.8681, 0.2828, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8555, 0.2403, 0.2092 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, 107, 178)` looks like.

```
.text, #text, p{  
    color:rgb(107, 107, 178)  
}
```

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, 107, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 107, 178) }
```

Border

The CSS property to change the border of an element to Yxy 16.8555, 0.2403, 0.2092 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, 107, 178) }
```

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

```
.border{ border-color:rgb(107, 107, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 107, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 107, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 107, 178);  
box-shadow:4px 4px 4px 4px rgb(107, 107,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8555, 0.2403, 0.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 107, 178) }
```

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

```
.background{ background-color: rgb(107,  
107, 178) }
```

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