

Converting Colors

$Y_{xy}(16.0195, 0.2199, 0.1756)$

Have a look what the booklet for
Yxy(16.0195, 0.2199, 0.1756)
contains.

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Color

Yxy(16.1053, 0.2207, 0.1768)

Conversions

Conversions Part 1

Format	Color
Hex	6565C5
RGB	101, 101, 197
RGB Percent	40%, 40%, 77%
CMY	0.6037, 0.6040, 0.2274
CMYK	0.49, 0.49, 0.00, 0.23
HSL	240°, 45%, 58%
HSV	240°, 49%, 77%
XYZ	20.1043, 16.1053, 54.8837
YIQ	111.9440, -30.8160, 29.8560

Conversions

Conversions Part 2

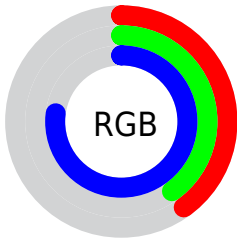
Format	Color
R_{YB}	101, 101, 197
Decimal	6645189
CIE _{Lab}	47.11, 25.88, -50.35
CIE _{LCh}	47, 56.614, 297.197
Yxy	16.1053, 0.2207, 0.1768
Android (android.graphics.Color)	4284835269 (0xFF6565C5)
YUV	111.9440, 41.9326, -9.5979
Hunter-Lab	40.1314, 19.1917, -52.9930

Details

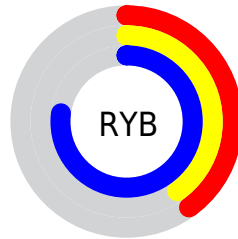
The Yxy color **16.1053, 0.2207, 0.1768** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **52.7441, 0.3836, 0.4463**, and the grayscale version is **16.0699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7803, 0.2412, 0.2062**, and **5.0836, 0.1862, 0.1323** is the 20% darker color. If you saturate the color by 10%, you get **11.7243, 0.1998, 0.1422**, and if you desaturate by 10%, it is **21.6765, 0.2421, 0.2123**.

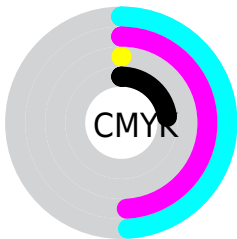
Distribution



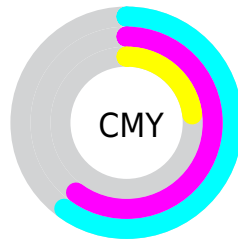
- Red (40%)
- Green (40%)
- Blue (77%)



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



- Cyan (49%)
- Magenta (49%)
- Yellow (0%)
- Black (23%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1053, 0.2207, 0.1768 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 16.1053, 0.2207, 0.1768 by changing the saturation by 10% instead.


 16.1053, 0.2207,
0.1768


 16.1053, 0.2207,
0.1768


229.9623, 0.2732,
0.2561


 9.5987, 0.2059,
0.1571


 36.7809, 0.2411,
0.2058


 5.1337, 0.1863,
0.1325


 51.7187, 0.2484,
0.2167

 2.3259, 0.1595,
0.1018

 70.2357, 0.2544,
0.2259

 0.7874, 0.1224,
0.0641

 92.7163, 0.2594,
0.2337

 0.0000, 0.0584,
0.0000

119.5448, 0.2637,
0.2405

 0.0000, 0.0000,
0.0000

151.1057, 0.2673,

0.2464

187.7834, 0.2704,
0.2515

■ 16.1053, 0.2207,
0.1768

■ 16.1053, 0.2207,
0.1768

■ 11.7243, 0.1998,
0.1422

■ 21.6765, 0.2421,
0.2123

■ 8.4455, 0.1810,
0.1112

■ 28.5141, 0.2629,
0.2465

■ 6.1713, 0.1660,
0.0864

■ 36.6899, 0.2821,
0.2783

■ 4.7867, 0.1559,
0.0697

■ 46.2698, 0.2993,
0.3068

■ 4.1027, 0.1506,
0.0609

■ 57.3153, 0.3145,
0.3320

■ 4.0330, 0.1500,
0.0600

■ 69.8844, 0.3277,
0.3538

■ 84.0318, 0.3391,
0.3726

■ 96.8121, 0.3472,
0.3860

Harmonies

Analogous

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



16.1053, 0.1605, 0.1741



16.1053, 0.2207, 0.1768



16.1053, 0.3188, 0.2068

Triad

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



16.1053, 0.2207, 0.1768



16.1053, 0.5231, 0.3994



16.1053, 0.1905, 0.4032

Complementary

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



16.1053, 0.2207, 0.1768



52.7441, 0.3836, 0.4463

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.



16.1053, 0.2756, 0.5162



16.1053, 0.2207, 0.1768



16.1053, 0.4665, 0.4761

Square

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



16.1053, 0.2207, 0.1768



16.1053, 0.5163, 0.3264



16.1053, 0.3760, 0.5339



16.1053, 0.1437, 0.2794

Rectangle

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



16.1053, 0.2207, 0.1768



16.1053, 0.3972, 0.2401



16.1053, 0.3760, 0.5339



16.1053, 0.2153, 0.4474

Sweetspot

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



16.1058, 0.2207, 0.1768



71.4346, 0.2884, 0.2887



46.7392, 0.2492, 0.3288



14.5342, 0.2846, 0.2824



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.



16.1058, 0.2207, 0.1768



20.8949, 0.1995, 0.1418



19.7258, 0.2658, 0.1933



10.2879, 0.2983, 0.3051



2.6523, 0.1500, 0.0600



0.1257, 0.1501, 0.0601

Inverse Universe

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



25.2059, 0.3183, 0.2125



39.0093, 0.3192, 0.1929



47.2703, 0.3417, 0.4653



10.8165, 0.3138, 0.3063



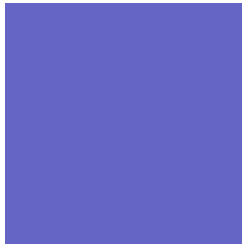
10.4549, 0.3211, 0.1543



0.4951, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 16.1053, 0.2207, 0.1768 looks on a white background.

Color Contrast Check

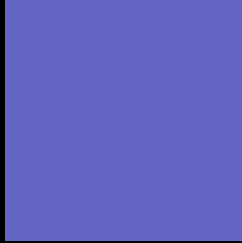
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1053, 0.2207, 0.1768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

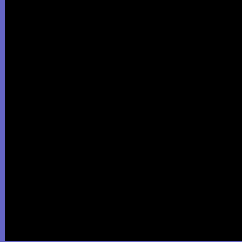
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1053, 0.2207, 0.1768

Background



This preview shows how black text looks on a background with the Yxy color 16.1053, 0.2207, 0.1768.



This preview shows how white text looks on a background with the Yxy color 16.1053, 0.2207, 0.1768.

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

16.1053, 0.2207, 0.1768

Protanopia

16.1415, 0.1954, 0.1722

Deuteranopia

16.2408, 0.1935, 0.1884



Tritanopia

16.1946, 0.2604, 0.3097

Trichromacy



Original Color

16.1053, 0.2207, 0.1768

Protanomaly

15.8980, 0.2030, 0.1730

Deuteranomaly

16.0012, 0.2005, 0.1833

Tritanomaly

15.9300, 0.2443, 0.2513

Monochromacy



Original Color

16.1053, 0.2207, 0.1768

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.8964, 0.2724, 0.2624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1053, 0.2207, 0.1768 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(101, 101, 197)` looks like.

```
.text, #text, p{  
    color:rgb(101, 101, 197)  
}
```

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(101, 101, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 101, 197) }
```

Border

The CSS property to change the border of an element to Yxy 16.1053, 0.2207, 0.1768 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(101, 101, 197) }
```

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

```
.border{ border-color:rgb(101, 101, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 101, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 101, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 101, 197);  
box-shadow:4px 4px 4px 4px rgb(101, 101,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1053, 0.2207, 0.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 101, 197) }
```

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

```
.background{ background-color: rgb(101,  
101, 197) }
```

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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