

Converting Colors

$Y_{xy}(15.5992, 0.2254, 0.1580)$

Have a look what the booklet for
Yxy(15.5992, 0.2254, 0.1580)
contains.

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Color

Yxy(15.5992, 0.2254, 0.1580)

Conversions

Conversions Part 1

Format	Color
Hex	755ACF
RGB	117, 90, 207
RGB Percent	46%, 35%, 81%
CMY	0.5412, 0.6470, 0.1882
CMYK	0.43, 0.57, 0.00, 0.19
HSL	254°, 55%, 58%
HSV	254°, 57%, 81%
XYZ	22.2535, 15.5992, 60.8764
YIQ	111.4110, -21.4650, 42.1110

Conversions

Conversions Part 2

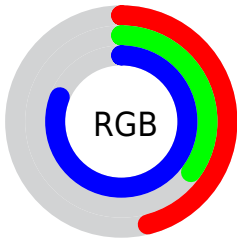
Format	Color
R_{YB}	117, 90, 207
Decimal	7690959
CIE _{Lab}	46.44, 39.01, -57.10
CIE _{LCh}	46, 69.156, 304.343
Yxy	15.5992, 0.2254, 0.1580
Android (android.graphics.Color)	4285881039 (0xFF755ACF)
YUV	111.4110, 47.1254, 4.9016
Hunter-Lab	39.4958, 31.4564, -63.7388

Details

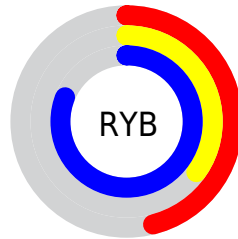
The Yxy color **15.5992, 0.2254, 0.1580** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **55.0771, 0.3703, 0.4744**, and the grayscale version is **15.8869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2684, 0.2511, 0.1967**, and **4.9246, 0.1917, 0.1133** is the 20% darker color. If you saturate the color by 10%, you get **11.5693, 0.2072, 0.1276**, and if you desaturate by 10%, it is **20.7901, 0.2438, 0.1907**.

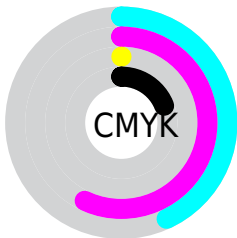
Distribution



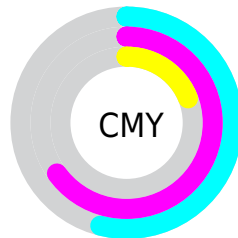
- Red (46%)
- Green (35%)
- Blue (81%)



- Red (46%)
- Yellow (35%)
- Blue (81%)



- Cyan (43%)
- Magenta (57%)
- Yellow (0%)
- Black (19%)




- Cyan (54%)
- Magenta (65%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5992, 0.2254, 0.1580 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 15.5992, 0.2254, 0.1580 by changing the saturation by 10% instead.


 15.5992, 0.2254,
0.1580


 15.5992, 0.2254,
0.1580


226.9649, 0.2760,
0.2443


 9.2410, 0.2111,
0.1377


 35.9010, 0.2452,
0.1888


 4.8987, 0.1920,
0.1131


 50.6133, 0.2523,
0.2006


 2.1879, 0.1661,
0.0835

 68.8792, 0.2581,
0.2106

 0.7134, 0.1305,
0.0489

 91.0830, 0.2629,
0.2192

 0.0000, 0.0806,
0.0000

 117.6090, 0.2669,
0.2268

 0.0000, 0.0000,
0.0000

148.8418, 0.2704,

0.2333

185.1656, 0.2734,
0.2391

■ 15.5992, 0.2254,
0.1580

■ 15.5992, 0.2254,
0.1580

■ 11.5693, 0.2072,
0.1276

■ 20.7901, 0.2438,
0.1907

■ 8.6064, 0.1904,
0.1018

■ 27.2228, 0.2614,
0.2238

■ 6.6039, 0.1761,
0.0822

■ 34.9724, 0.2777,
0.2558

■ 5.4260, 0.1651,
0.0699

■ 44.1076, 0.2924,
0.2856

■ 5.1272, 0.1620,
0.0666

■ 54.6924, 0.3053,
0.3128

■ 66.7865, 0.3164,
0.3372

■ 80.4465, 0.3259,
0.3587

■ 95.3322, 0.3342,
0.3771

■ 97.2855, 0.3412,
0.3760

Harmonies

Analogous

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



15.5992, 0.1478, 0.1468



15.5992, 0.2254, 0.1580



15.5992, 0.3517, 0.1981

Triad

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



15.5992, 0.2254, 0.1580



15.5992, 0.5467, 0.4192



15.5992, 0.1478, 0.3778

Complementary

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



15.5992, 0.2254, 0.1580



55.0771, 0.3703, 0.4744

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.



15.5992, 0.2343, 0.5432



15.5992, 0.2254, 0.1580



15.5992, 0.4605, 0.5139

Square

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



15.5992, 0.2254, 0.1580



15.5992, 0.5690, 0.3361



15.5992, 0.3481, 0.5858



15.5992, 0.1102, 0.2371

Rectangle

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



15.5992, 0.2254, 0.1580



15.5992, 0.4490, 0.2386



15.5992, 0.3481, 0.5858



15.5992, 0.1714, 0.4373

Sweetspot

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



15.5997, 0.2254, 0.1580



69.6056, 0.2914, 0.2836



39.9965, 0.2343, 0.2915



14.2287, 0.2886, 0.2777



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.



15.5997, 0.2254, 0.1580



17.3011, 0.2032, 0.1212



20.8017, 0.2825, 0.1817



11.5473, 0.3017, 0.3052



3.2658, 0.1631, 0.0672



0.2194, 0.1819, 0.0776

Inverse Universe

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



23.8774, 0.3506, 0.2225



32.1420, 0.3618, 0.2058



49.5920, 0.3252, 0.4985



11.9605, 0.3172, 0.3113



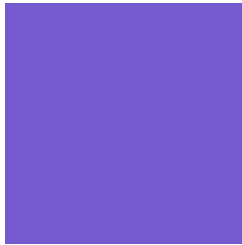
9.9561, 0.3889, 0.1916



0.5683, 0.3739, 0.1834

Previews

White Background



This preview shows how the Yxy color 15.5992, 0.2254, 0.1580 looks on a white background.

Color Contrast Check

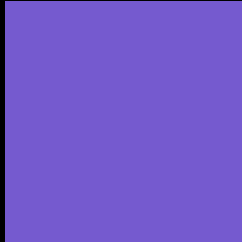
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5992, 0.2254, 0.1580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

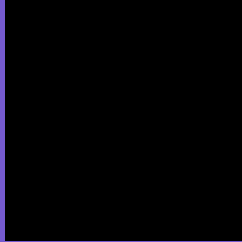
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5992, 0.2254, 0.1580

Background



This preview shows how black text looks on a background with the Yxy color 15.5992, 0.2254, 0.1580.



This preview shows how white text looks on a background with the Yxy color 15.5992, 0.2254, 0.1580.

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

15.5992, 0.2254, 0.1580

Protanopia

15.8091, 0.1757, 0.1474

Deuteranopia

15.6656, 0.1832, 0.1795



Tritanopia

15.7022, 0.2813, 0.3101

Trichromacy



Original Color

15.5992, 0.2254, 0.1580



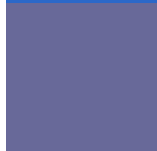
Protanomaly

14.9332, 0.1834, 0.1466



Deuteranomaly

14.6313, 0.1867, 0.1656



Tritanomaly

15.3461, 0.2576, 0.2395

Monochromacy



Original Color

15.5992, 0.2254, 0.1580



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

15.2865, 0.2744, 0.2490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5992, 0.2254, 0.1580 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(117, 90, 207)` looks like.

```
.text, #text, p{  
    color:rgb(117, 90, 207)  
}
```

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(117, 90, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 90, 207) }
```

Border

The CSS property to change the border of an element to Yxy 15.5992, 0.2254, 0.1580 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(117, 90, 207) }
```

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

```
.border{ border-color:rgb(117, 90, 207) }
```

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

Here you see how a box with a 4 pixel rgb(117, 90, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 90, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 90, 207);  
box-shadow:4px 4px 4px 4px rgb(117, 90,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5992, 0.2254, 0.1580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 90, 207) }
```

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

```
.background{ background-color: rgb(117, 90,  
207) }
```

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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