

Converting Colors

$Y_{xy}(15.0813, 0.2170, 0.1665)$

Have a look what the booklet for
Yxy(15.0813, 0.2170, 0.1665)
contains.

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Color

Yxy(15.0173, 0.2170, 0.1658)

Conversions

Conversions Part 1

Format	Color
Hex	645FC7
RGB	100, 95, 199
RGB Percent	39%, 37%, 78%
CMY	0.6080, 0.6274, 0.2196
CMYK	0.50, 0.52, 0.00, 0.22
HSL	243°, 48%, 58%
HSV	243°, 52%, 78%
XYZ	19.6547, 15.0173, 55.9028
YIQ	108.3510, -30.4040, 33.4040

Conversions

Conversions Part 2

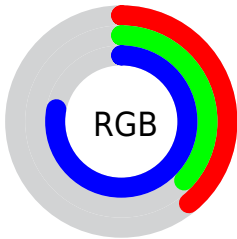
Format	Color
R_{YB}	100, 95, 199
Decimal	6578119
CIE _{Lab}	45.66, 29.91, -53.84
CIE _{LCh}	46, 61.590, 299.051
Yxy	15.0173, 0.2170, 0.1658
Android (android.graphics.Color)	4284768199 (0xFF645FC7)
YUV	108.3510, 44.6900, -7.3238
Hunter-Lab	38.7522, 22.7172, -58.4035

Details

The Yxy color **15.0173, 0.2170, 0.1658** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **53.1553, 0.3837, 0.4557**, and the grayscale version is **14.9776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9459, 0.2395, 0.1982**, and **4.6416, 0.1809, 0.1205** is the 20% darker color. If you saturate the color by 10%, you get **10.9210, 0.1968, 0.1325**, and if you desaturate by 10%, it is **20.2816, 0.2379, 0.2008**.

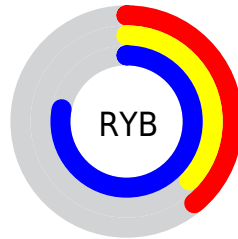
Distribution



Red (39%)

Green (37%)

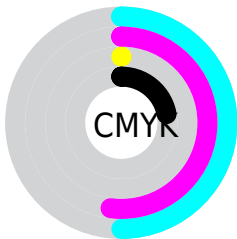
Blue (78%)



Red (39%)

Yellow (37%)

Blue (78%)

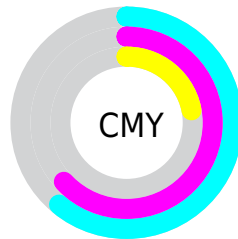


Cyan (50%)

Magenta (52%)

Yellow (0%)

Black (22%)



Cyan (61%)

Magenta (63%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0173, 0.2170, 0.1658 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 15.0173, 0.2170, 0.1658 by changing the saturation by 10% instead.

■ 15.0173, 0.2170,
0.1658

■ 15.0173, 0.2170,
0.1658

■ 223.4709, 0.2720,
0.2502

■ 8.8315, 0.2015,
0.1452

■ 34.8835, 0.2385,
0.1964

■ 4.6315, 0.1809,
0.1199

■ 49.3328, 0.2461,
0.2080

■ 2.0327, 0.1530,
0.0888

■ 67.3053, 0.2524,
0.2178

■ 0.6264, 0.1151,
0.0506

■ 89.1855, 0.2576,
0.2262

■ 0.0000, 0.0473,
0.0000

■ 115.3578, 0.2621,
0.2335

■ 0.0000, 0.0000,
0.0000

146.2065, 0.2659,

0.2398

182.1161, 0.2691,
0.2453

■ 15.0173, 0.2170,
0.1658

■ 15.0173, 0.2170,
0.1658

■ 10.9210, 0.1968,
0.1325

■ 20.2816, 0.2379,
0.2008

■ 7.9024, 0.1790,
0.1034

■ 26.7921, 0.2583,
0.2353

■ 5.8603, 0.1648,
0.0810

■ 34.6220, 0.2773,
0.2677

■ 4.6734, 0.1554,
0.0668

■ 43.8384, 0.2944,
0.2973

■ 4.1853, 0.1513,
0.0607

■ 54.5038, 0.3096,
0.3235

■ 66.6770, 0.3227,
0.3465

■ 80.4133, 0.3341,
0.3665

■ 95.7655, 0.3438,
0.3837

■ 96.9041, 0.3460,
0.3840

Harmonies

Analogous

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



15.0173, 0.1509, 0.1606



15.0173, 0.2170, 0.1658



15.0173, 0.3263, 0.1993

Triad

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



15.0173, 0.2170, 0.1658



15.0173, 0.5392, 0.4047



15.0173, 0.1732, 0.4018

Complementary

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



15.0173, 0.2170, 0.1658



53.1553, 0.3837, 0.4557

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.



15.0173, 0.2621, 0.5360



15.0173, 0.2170, 0.1658



15.0173, 0.4707, 0.4896

Square

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



15.0173, 0.2170, 0.1658



15.0173, 0.5407, 0.3271



15.0173, 0.3701, 0.5570



15.0173, 0.1277, 0.2651

Rectangle

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



15.0173, 0.2170, 0.1658



15.0173, 0.4139, 0.2354



15.0173, 0.3701, 0.5570



15.0173, 0.1986, 0.4534

Sweetspot

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



15.0178, 0.2170, 0.1658



70.0355, 0.2878, 0.2859



45.8327, 0.2449, 0.3238



14.2695, 0.2843, 0.2797



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.



15.0178, 0.2170, 0.1658



18.1132, 0.1937, 0.1273



18.8397, 0.2650, 0.1844



10.3112, 0.2990, 0.3052



2.7017, 0.1517, 0.0609



0.1365, 0.1577, 0.0642

Inverse Universe

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



24.2274, 0.3240, 0.2099



36.0642, 0.3267, 0.1897



47.5673, 0.3401, 0.4771



10.8076, 0.3145, 0.3073



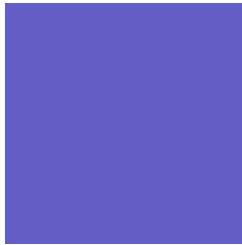
10.1883, 0.3331, 0.1609



0.4852, 0.3303, 0.1593

Previews

White Background



This preview shows how the Yxy color 15.0173, 0.2170, 0.1658 looks on a white background.

Color Contrast Check

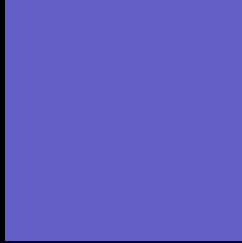
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0173, 0.2170, 0.1658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

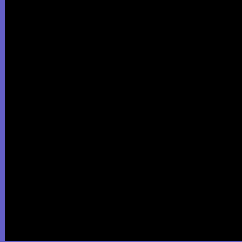
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0173, 0.2170, 0.1658

Background



This preview shows how black text looks on a background with the Yxy color 15.0173, 0.2170, 0.1658.



This preview shows how white text looks on a background with the Yxy color 15.0173, 0.2170, 0.1658.

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

15.0173, 0.2170, 0.1658

Protanopia

15.0849, 0.1852, 0.1588

Deuteranopia

15.0920, 0.1831, 0.1791



Tritanopia

15.0425, 0.2600, 0.3091

Trichromacy



Original Color

15.0173, 0.2170, 0.1658

Protanomaly

14.8734, 0.1938, 0.1608

Deuteranomaly

14.4637, 0.1865, 0.1714

Tritanomaly

14.6811, 0.2407, 0.2422

Monochromacy



Original Color

15.0173, 0.2170, 0.1658

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.6268, 0.2701, 0.2552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0173, 0.2170, 0.1658 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(100, 95, 199)` looks like.

```
.text, #text, p{  
    color:rgb(100, 95, 199)  
}
```

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(100, 95, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 95, 199) }
```

Border

The CSS property to change the border of an element to Yxy 15.0173, 0.2170, 0.1658 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(100, 95, 199) }
```

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

```
.border{ border-color:rgb(100, 95, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 95, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 95, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 95, 199);  
box-shadow:4px 4px 4px 4px rgb(100, 95,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0173, 0.2170, 0.1658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 95, 199) }
```

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

```
.background{ background-color: rgb(100, 95,  
199) }
```

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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