

Converting Colors

$Y_{xy}(15.2056, 0.2056, 0.1247)$

Have a look what the booklet for
Yxy(15.2056, 0.2056, 0.1247)
contains.

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Color

Yxy(15.2080, 0.2055, 0.1246)

Conversions

Conversions Part 1

Format	Color
Hex	734EED
RGB	115, 78, 237
RGB Percent	45%, 31%, 93%
CMY	0.5491, 0.6941, 0.0704
CMYK	0.51, 0.67, 0.00, 0.07
HSL	254°, 82%, 62%
HSV	254°, 67%, 93%
XYZ	25.0822, 15.2080, 81.7644
YIQ	107.1890, -28.9870, 57.2930

Conversions

Conversions Part 2

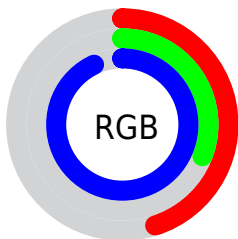
Format	Color
R _{YB}	115, 78, 237
Decimal	7556845
CIE Lab	45.92, 53.82, -75.03
CIE LCh	46, 92.341, 305.653
Yxy	15.2080, 0.2055, 0.1246
Android (android.graphics.Color)	4285746925 (0xFF734EED)
YUV	107.1890, 63.9968, 6.8502
Hunter-Lab	38.9974, 46.5614, -97.0128

Details

The Yxy color **15.2080, 0.2055, 0.1246** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **73.4296, 0.3766, 0.4982**, and the grayscale version is **14.5823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1506, 0.2511, 0.1843**, and **4.7301, 0.1690, 0.0814** is the 20% darker color. If you saturate the color by 10%, you get **11.3120, 0.1888, 0.0992**, and if you desaturate by 10%, it is **20.5613, 0.2237, 0.1548**.

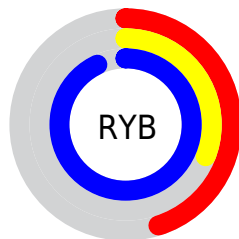
Distribution



Red (45%)

Green (31%)

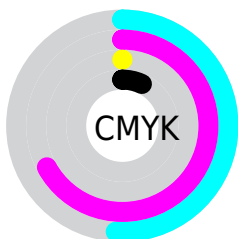
Blue (93%)



Red (45%)

Yellow (31%)

Blue (93%)

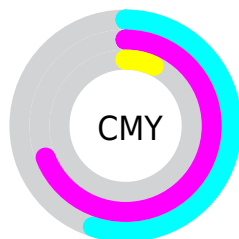


Cyan (51%)

Magenta (67%)

Yellow (0%)

Black (7%)



Cyan (55%)


Magenta (69%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2080, 0.2055, 0.1246 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 15.2080, 0.2055, 0.1246 by changing the saturation by 10% instead.


 15.2080, 0.2055,
0.1246


 15.2080, 0.2055,
0.1246


224.6218, 0.2663,
0.2211


 8.9655, 0.1894,
0.1044


 35.2177, 0.2286,
0.1571


 4.7187, 0.1690,
0.0813


 49.7536, 0.2370,
0.1702


 2.0832, 0.1427,
0.0558

 67.8228, 0.2441,
0.1815

 0.6551, 0.1093,
0.0289

 89.8097, 0.2500,
0.1915

 0.0000, 0.0693,
0.0000

 116.0986, 0.2550,
0.2002

 0.0000, 0.0000,
0.0000

147.0740, 0.2593,

0.2080

183.1203, 0.2631,
0.2149

■ 15.2080, 0.2055,
0.1246

■ 15.2080, 0.2055,
0.1246

■ 11.3120, 0.1888,
0.0992

■ 20.5613, 0.2237,
0.1548

■ 8.7201, 0.1747,
0.0804

■ 27.5009, 0.2422,
0.1876

■ 7.2393, 0.1641,
0.0689


■ 36.1430, 0.2601,
0.2210


■ 6.9321, 0.1616,
0.0664

■ 46.5919, 0.2766,
0.2533

■ 58.9440, 0.2915,
0.2836

 73.2884, 0.3045,
0.3112

 89.7086, 0.3158,
0.3359

 98.8968, 0.3232,
0.3463

Harmonies

Analogous

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



15.2080, 0.1159, 0.1103



15.2080, 0.2055, 0.1246



15.2080, 0.3677, 0.1700

Triad

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



15.2080, 0.2055, 0.1246



15.2080, 0.5864, 0.4136



15.2080, 0.1007, 0.3760

Complementary

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



15.2080, 0.2055, 0.1246



73.4296, 0.3766, 0.4982

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.



15.2080, 0.1913, 0.6269



15.2080, 0.2055, 0.1246



15.2080, 0.4614, 0.5386

Square

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



15.2080, 0.2055, 0.1246



15.2080, 0.6383, 0.3194



15.2080, 0.3218, 0.6655



15.2080, 0.0698, 0.1977

Rectangle

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



15.2080, 0.2055, 0.1246



15.2080, 0.4995, 0.2160



15.2080, 0.3218, 0.6655



15.2080, 0.1239, 0.4639

Sweetspot

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



15.2084, 0.2055, 0.1246



64.9829, 0.2872, 0.2748



50.2506, 0.2234, 0.2828



13.0202, 0.2831, 0.2663



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.



15.2084, 0.2055, 0.1246



11.8833, 0.1825, 0.0904



22.7689, 0.2742, 0.1571



14.7179, 0.3016, 0.3049



3.8325, 0.1629, 0.0671



0.3436, 0.1762, 0.0744

Inverse Universe

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



27.6331, 0.3610, 0.2074



27.9148, 0.3745, 0.1951



65.3569, 0.3242, 0.5317



15.2504, 0.3173, 0.3111



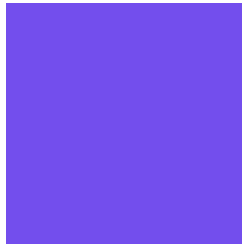
11.6926, 0.3900, 0.1922



0.9327, 0.3784, 0.1858

Previews

White Background



This preview shows how the Yxy color 15.2080, 0.2055, 0.1246 looks on a white background.

Color Contrast Check

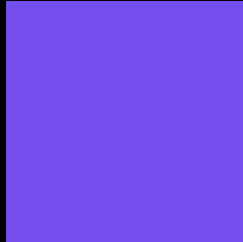
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2080, 0.2055, 0.1246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

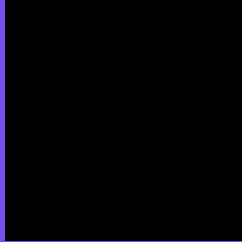
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2080, 0.2055, 0.1246

Background



This preview shows how black text looks on a background with the Yxy color 15.2080, 0.2055, 0.1246.



This preview shows how white text looks on a background with the Yxy color 15.2080, 0.2055, 0.1246.

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

15.2080, 0.2055, 0.1246

Protanopia

15.3236, 0.1743, 0.1476

Deuteranopia

15.1305, 0.1848, 0.1853



Tritanopia

15.1702, 0.2630, 0.3092

Trichromacy



Original Color

15.2080, 0.2055, 0.1246



Protanomaly

14.2227, 0.1758, 0.1322



Deuteranomaly

13.9700, 0.1821, 0.1514



Tritanomaly

14.3149, 0.2360, 0.2129

Monochromacy



Original Color

15.2080, 0.2055, 0.1246



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

14.0138, 0.2616, 0.2229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2080, 0.2055, 0.1246 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(115, 78, 237)` looks like.

```
.text, #text, p{  
  color:rgb(115, 78, 237)  
}
```

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(115, 78, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 78, 237) }
```

Border

The CSS property to change the border of an element to Yxy 15.2080, 0.2055, 0.1246 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(115, 78, 237) }
```

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

```
.border{ border-color:rgb(115, 78, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 78, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 78, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 78, 237);  
box-shadow:4px 4px 4px 4px rgb(115, 78,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2080, 0.2055, 0.1246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 78, 237) }
```

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

```
.background{ background-color: rgb(115, 78,  
237) }
```

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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