

Converting Colors

$Y_{xy}(15.8655, 0.2286, 0.1634)$

Have a look what the booklet for
Yxy(15.8655, 0.2286, 0.1634)
contains.

Yxy(15.8655, 0.2286, 0.1634)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8655, 0.2286, 0.1634)

Conversions

Conversions Part 1

Format	Color
Hex	765CCC
RGB	118, 92, 204
RGB Percent	46%, 36%, 80%
CMY	0.5374, 0.6392, 0.1999
CMYK	0.42, 0.55, 0.00, 0.20
HSL	254°, 52%, 58%
HSV	254°, 55%, 80%
XYZ	22.1962, 15.8655, 59.0344
YIQ	112.5420, -20.4560, 40.3440

Conversions

Conversions Part 2

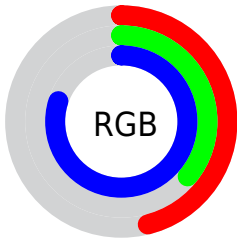
Format	Color
R_{YB}	118, 92, 204
Decimal	7757004
CIE _{Lab}	46.80, 37.23, -54.81
CIE _{LCh}	47, 66.258, 304.182
Yxy	15.8655, 0.2286, 0.1634
Android (android.graphics.Color)	4285947084 (0xFF765CCC)
YUV	112.5420, 45.0888, 4.7867
Hunter-Lab	39.8315, 29.7642, -59.9918

Details

The Yxy color **15.8655, 0.2286, 0.1634** 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 **53.4431, 0.3689, 0.4705**, and the grayscale version is **16.2396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9789, 0.2521, 0.1991**, and **5.0388, 0.1959, 0.1191** is the 20% darker color. If you saturate the color by 10%, you get **11.7868, 0.2104, 0.1325**, and if you desaturate by 10%, it is **21.0792, 0.2469, 0.1963**.

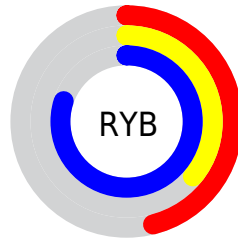
Distribution



Red (46%)

Green (36%)

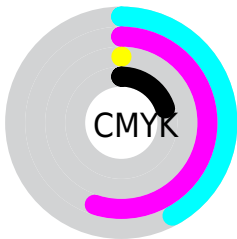
Blue (80%)



Red (46%)

Yellow (36%)

Blue (80%)

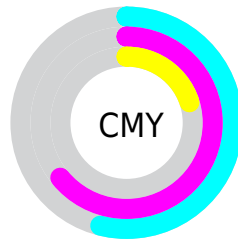


Cyan (42%)

Magenta (55%)

Yellow (0%)

Black (20%)



Cyan (54%)


Magenta (64%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8655, 0.2286, 0.1634 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 15.8655, 0.2286, 0.1634 by changing the saturation by 10% instead.


 15.8655, 0.2286,
0.1634


 15.8655, 0.2286,
0.1634


228.5468, 0.2774,
0.2475

 9.4290, 0.2147,
0.1434


 36.3645, 0.2478,
0.1936

 5.0221, 0.1961,
0.1189


 51.1959, 0.2546,
0.2051

 2.2602, 0.1706,
0.0890

 69.5944, 0.2601,
0.2149

 0.7525, 0.1352,
0.0538

 91.9443, 0.2648,
0.2233

 0.0000, 0.0846,
0.0000

118.6301, 0.2687,
0.2305

 0.0000, 0.0000,
0.0000

150.0362, 0.2720,

0.2369

186.5469, 0.2749,
0.2425

■ 15.8655, 0.2286,
0.1634

■ 15.8655, 0.2286,
0.1634

■ 11.7868, 0.2104,
0.1325

■ 21.0792, 0.2469,
0.1963

■ 8.7543, 0.1933,
0.1058

■ 27.5045, 0.2643,
0.2292

■ 6.6680, 0.1785,
0.0851

■ 35.2127, 0.2803,
0.2608

■ 5.4065, 0.1669,
0.0716

■ 44.2693, 0.2946,
0.2902

■ 4.9719, 0.1622,
0.0667

■ 54.7354, 0.3072,
0.3169

■ 66.6681, 0.3180,
0.3408

■ 80.1213, 0.3273,
0.3619

■ 95.0001, 0.3352,
0.3803

■ 97.1408, 0.3430,
0.3790

Harmonies

Analogous

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



15.8655, 0.1530, 0.1527



15.8655, 0.2286, 0.1634



15.8655, 0.3497, 0.2025

Triad

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



15.8655, 0.2286, 0.1634



15.8655, 0.5397, 0.4190



15.8655, 0.1548, 0.3771

Complementary

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



15.8655, 0.2286, 0.1634



53.4431, 0.3689, 0.4705

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.



15.8655, 0.2396, 0.5319



15.8655, 0.2286, 0.1634



15.8655, 0.4583, 0.5089

Square

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



15.8655, 0.2286, 0.1634



15.8655, 0.5583, 0.3378



15.8655, 0.3503, 0.5744



15.8655, 0.1169, 0.2425

Rectangle

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



15.8655, 0.2286, 0.1634



15.8655, 0.4423, 0.2420



15.8655, 0.3503, 0.5744



15.8655, 0.1781, 0.4329

Sweetspot

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



15.8660, 0.2286, 0.1634



71.2067, 0.2929, 0.2865



39.1802, 0.2361, 0.2928



14.5448, 0.2900, 0.2806



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.



15.8660, 0.2286, 0.1634



18.4009, 0.2069, 0.1269



20.8199, 0.2837, 0.1857



10.9673, 0.3018, 0.3053



3.1639, 0.1633, 0.0673



0.1988, 0.1836, 0.0785

Inverse Universe

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



23.7138, 0.3493, 0.2252



32.9857, 0.3601, 0.2083



48.2366, 0.3252, 0.4932



11.3575, 0.3172, 0.3114



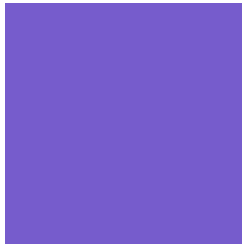
9.6212, 0.3892, 0.1918



0.5075, 0.3732, 0.1830

Previews

White Background



This preview shows how the Yxy color 15.8655, 0.2286, 0.1634 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 15.8655, 0.2286, 0.1634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

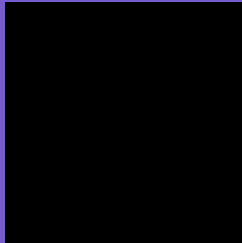
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8655, 0.2286, 0.1634

Background



This preview shows how black text looks on a background with the Yxy color 15.8655, 0.2286, 0.1634.



This preview shows how white text looks on a background with the Yxy color 15.8655, 0.2286, 0.1634.

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

15.8655, 0.2286, 0.1634

Protanopia

16.0760, 0.1807, 0.1534

Deuteranopia

16.0529, 0.1853, 0.1809



Tritanopia

15.8121, 0.2836, 0.3102

Trichromacy



Original Color

15.8655, 0.2286, 0.1634

Protanomaly

15.5160, 0.1909, 0.1548

Deuteranomaly

15.1045, 0.1913, 0.1688

Tritanomaly

15.3734, 0.2597, 0.2413

Monochromacy



Original Color

15.8655, 0.2286, 0.1634

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.8233, 0.2771, 0.2533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8655, 0.2286, 0.1634 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(118, 92, 204)` looks like.

```
.text, #text, p{  
    color:rgb(118, 92, 204)  
}
```

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(118, 92, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 92, 204) }
```

Border

The CSS property to change the border of an element to Yxy 15.8655, 0.2286, 0.1634 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(118, 92, 204) }
```

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

```
.border{ border-color:rgb(118, 92, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 92, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 92, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 92, 204);  
box-shadow:4px 4px 4px 4px rgb(118, 92,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8655, 0.2286, 0.1634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 92, 204) }
```

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

```
.background{ background-color: rgb(118, 92,  
204) }
```

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