

Converting Colors

$Y_{xy}(17.2092, 0.2301, 0.1694)$

Have a look what the booklet for
Yxy(17.2092, 0.2301, 0.1694)
contains.

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Color

Yxy(17.2334, 0.2298, 0.1694)

Conversions

Conversions Part 1

Format	Color
Hex	7862CF
RGB	120, 98, 207
RGB Percent	47%, 38%, 81%
CMY	0.5293, 0.6157, 0.1883
CMYK	0.42, 0.53, 0.00, 0.19
HSL	252°, 53%, 60%
HSV	252°, 53%, 81%
XYZ	23.3780, 17.2334, 61.1206
YIQ	117.0040, -21.8770, 38.5630

Conversions

Conversions Part 2

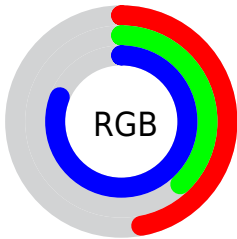
Format	Color
R _Y B	120, 98, 207
Decimal	7889615
CIE Lab	48.55, 35.03, -53.69
CIE LCh	49, 64.103, 303.125
Yxy	17.2334, 0.2298, 0.1694
Android (android.graphics.Color)	4286079695 (0xFF7862CF)
YUV	117.0040, 44.3680, 2.6275
Hunter-Lab	41.5131, 27.8738, -58.2346

Details

The Yxy color **17.2334, 0.2298, 0.1694** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **55.8122, 0.3700, 0.4639**, and the grayscale version is **17.6570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9450, 0.2537, 0.2061**, and **5.7246, 0.1991, 0.1271** is the 20% darker color. If you saturate the color by 10%, you get **12.7678, 0.2111, 0.1376**, and if you desaturate by 10%, it is **22.9051, 0.2485, 0.2028**.

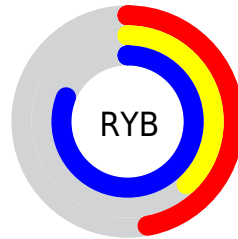
Distribution



Red (47%)

Green (38%)

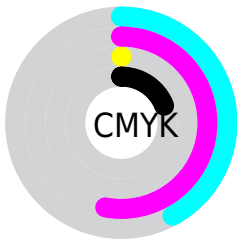
Blue (81%)



Red (47%)

Yellow (38%)

Blue (81%)

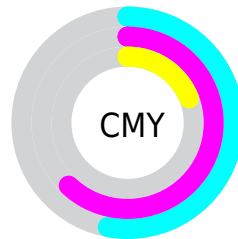


Cyan (42%)

Magenta (53%)

Yellow (0%)

Black (19%)



Cyan (53%)


Magenta (62%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2334, 0.2298, 0.1694 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 17.2334, 0.2298, 0.1694 by changing the saturation by 10% instead.


 17.2334, 0.2298,
0.1694


 17.2334, 0.2298,
0.1694


236.5138, 0.2773,
0.2502


 10.4010, 0.2164,
0.1501


 38.7266, 0.2483,
0.1984


 5.6657, 0.1986,
0.1264


 54.1563, 0.2549,
0.2094

 2.6429, 0.1744,
0.0973

 73.2205, 0.2604,
0.2188

 0.9483, 0.1405,
0.0627

 96.3037, 0.2649,
0.2269

 0.0000, 0.0955,
0.0000

123.7902, 0.2687,
0.2339

 0.0000, 0.0000,
0.0000

156.0645, 0.2720,

0.2400

193.5109, 0.2748,
0.2454

■ 17.2334, 0.2298,
0.1694

■ 17.2334, 0.2298,
0.1694

■ 12.7678, 0.2111,
0.1376

■ 22.9051, 0.2485,
0.2028

■ 9.4174, 0.1934,
0.1095

■ 29.8615, 0.2662,
0.2359

■ 7.0804, 0.1780,
0.0872

■ 38.1762, 0.2825,
0.2674

■ 5.6354, 0.1660,
0.0722

■ 47.9170, 0.2970,
0.2964

■ 4.9938, 0.1595,
0.0652

■ 59.1469, 0.3096,
0.3225

■ 71.9252, 0.3206,
0.3458

■ 86.3080, 0.3299,
0.3663

■ 96.7469, 0.3393,
0.3763

■ 97.2846, 0.3412,
0.3761

Harmonies

Analogous

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



17.2334, 0.1581, 0.1602



17.2334, 0.2298, 0.1694



17.2334, 0.3437, 0.2064

Triad

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



17.2334, 0.2298, 0.1694



17.2334, 0.5321, 0.4159



17.2334, 0.1651, 0.3804

Complementary

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



17.2334, 0.2298, 0.1694



55.8122, 0.3700, 0.4639

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.



17.2334, 0.2486, 0.5216



17.2334, 0.2298, 0.1694



17.2334, 0.4579, 0.5003

Square

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



17.2334, 0.2298, 0.1694



17.2334, 0.5444, 0.3374



17.2334, 0.3555, 0.5600



17.2334, 0.1257, 0.2516

Rectangle

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



17.2334, 0.2298, 0.1694



17.2334, 0.4308, 0.2443



17.2334, 0.3555, 0.5600



17.2334, 0.1884, 0.4320

Sweetspot

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



17.2340, 0.2298, 0.1694



71.0151, 0.2921, 0.2864



41.8794, 0.2391, 0.2972



14.4997, 0.2891, 0.2804



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.



17.2340, 0.2298, 0.1694



19.7870, 0.2090, 0.1342



22.2709, 0.2833, 0.1904



11.5312, 0.3013, 0.3052



3.1789, 0.1605, 0.0658



0.2119, 0.1782, 0.0755

Inverse Universe

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



25.4991, 0.3435, 0.2255



34.6295, 0.3521, 0.2083



50.3045, 0.3265, 0.4855



11.9664, 0.3168, 0.3106



10.0866, 0.3793, 0.1863



0.5746, 0.3666, 0.1793

Previews

White Background



This preview shows how the Yxy color 17.2334, 0.2298, 0.1694 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 17.2334, 0.2298, 0.1694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

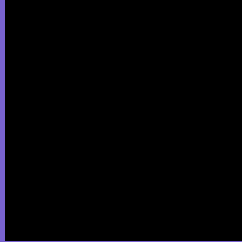
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2334, 0.2298, 0.1694

Background



This preview shows how black text looks on a background with the Yxy color 17.2334, 0.2298, 0.1694.



This preview shows how white text looks on a background with the Yxy color 17.2334, 0.2298, 0.1694.

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

17.2334, 0.2298, 0.1694

Protanopia

17.5657, 0.1870, 0.1617

Deuteranopia

17.4657, 0.1905, 0.1851



Tritanopia

17.2559, 0.2824, 0.3108

Trichromacy



Original Color

17.2334, 0.2298, 0.1694

Protanomaly

17.0510, 0.1974, 0.1625

Deuteranomaly

16.7404, 0.1986, 0.1763

Tritanomaly

16.9573, 0.2604, 0.2472

Monochromacy



Original Color

17.2334, 0.2298, 0.1694

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2054, 0.2771, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2334, 0.2298, 0.1694 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(120, 98, 207)` looks like.

```
.text, #text, p{  
  color:rgb(120, 98, 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(120, 98, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 98, 207) }
```

Border

The CSS property to change the border of an element to Yxy 17.2334, 0.2298, 0.1694 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(120, 98, 207) }
```

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

```
.border{ border-color:rgb(120, 98, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 98, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 98, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 98, 207);  
box-shadow:4px 4px 4px 4px rgb(120, 98,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2334, 0.2298, 0.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 98, 207) }
```

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

```
.background{ background-color: rgb(120, 98,  
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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