

Converting Colors

$Y_{xy}(17.0673, 0.2286, 0.1635)$

Have a look what the booklet for
Yxy(17.0673, 0.2286, 0.1635)
contains.

Yxy(17.0251, 0.2284, 0.1628)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.0251, 0.2284, 0.1628)

Conversions

Conversions Part 1

Format	Color
Hex	7A5FD3
RGB	122, 95, 211
RGB Percent	48%, 37%, 83%
CMY	0.5213, 0.6276, 0.1725
CMYK	0.42, 0.55, 0.00, 0.17
HSL	254°, 57%, 60%
HSV	254°, 55%, 83%
XYZ	23.8853, 17.0251, 63.6663
YIQ	116.2970, -21.1440, 41.8000

Conversions

Conversions Part 2

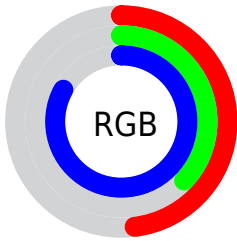
Format	Color
R_{YB}	122, 95, 211
Decimal	8019923
CIE _{Lab}	48.29, 38.41, -56.39
CIE _{LCh}	48, 68.231, 304.256
Yxy	17.0251, 0.2284, 0.1628
Android (android.graphics.Color)	4286210003 (0xFF7A5FD3)
YUV	116.2970, 46.6886, 5.0015
Hunter-Lab	41.2615, 31.1220, -62.6013

Details

The Yxy color **17.0251, 0.2284, 0.1628** 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 **57.6019, 0.3689, 0.4711**, and the grayscale version is **17.4214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3615, 0.2555, 0.2035**, and **5.5571, 0.1965, 0.1188** is the 20% darker color. If you saturate the color by 10%, you get **12.6419, 0.2102, 0.1320**, and if you desaturate by 10%, it is **22.6352, 0.2467, 0.1957**.

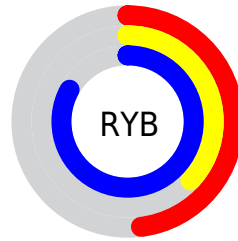
Distribution



Red (48%)

Green (37%)

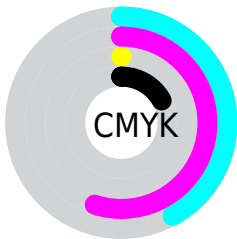
Blue (83%)



Red (48%)

Yellow (37%)

Blue (83%)

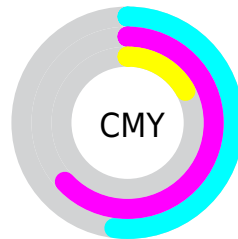


Cyan (42%)

Magenta (55%)

Yellow (0%)

Black (17%)



Cyan (52%)


Magenta (63%)


Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0251, 0.2284, 0.1628 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 17.0251, 0.2284, 0.1628 by changing the saturation by 10% instead.


 17.0251, 0.2284,
0.1628


 17.0251, 0.2284,
0.1628


235.3170, 0.2768,
0.2461

 10.2524, 0.2148,
0.1433


 38.3689, 0.2472,
0.1924


 5.5666, 0.1968,
0.1195


 53.7088, 0.2540,
0.2038

 2.5834, 0.1724,
0.0907

 72.6733, 0.2595,
0.2135

 0.9183, 0.1387,
0.0572

 95.6466, 0.2641,
0.2219

 0.0000, 0.0947,
0.0000

123.0132, 0.2681,
0.2291

 0.0000, 0.0000,
0.0000

155.1576, 0.2714,

0.2355

192.4640, 0.2743,
0.2411

■ 17.0251, 0.2284,
0.1628

■ 17.0251, 0.2284,
0.1628

■ 12.6419, 0.2102,
0.1320

■ 22.6352, 0.2467,
0.1957

■ 9.3889, 0.1931,
0.1053

■ 29.5554, 0.2641,
0.2287

■ 7.1573, 0.1783,
0.0848

■ 37.8632, 0.2802,
0.2604

■ 5.8146, 0.1668,
0.0714

■ 47.6298, 0.2945,
0.2899

■ 5.3643, 0.1622,
0.0667

■ 58.9213, 0.3071,
0.3167

■ 71.7999, 0.3179,
0.3406

■ 86.3240, 0.3272,
0.3618

■ 96.8181, 0.3364,
0.3724

■ 97.4840, 0.3388,
0.3720

Harmonies

Analogous

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



17.0251, 0.1525, 0.1520



17.0251, 0.2284, 0.1628



17.0251, 0.3502, 0.2020

Triad

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



17.0251, 0.2284, 0.1628



17.0251, 0.5404, 0.4192



17.0251, 0.1538, 0.3769

Complementary

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



17.0251, 0.2284, 0.1628



57.6019, 0.3689, 0.4711

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.



17.0251, 0.2388, 0.5330



17.0251, 0.2284, 0.1628



17.0251, 0.4584, 0.5097

Square

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



17.0251, 0.2284, 0.1628



17.0251, 0.5596, 0.3378



17.0251, 0.3498, 0.5758



17.0251, 0.1161, 0.2416

Rectangle

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



17.0251, 0.2284, 0.1628



17.0251, 0.4434, 0.2417



17.0251, 0.3498, 0.5758



17.0251, 0.1772, 0.4331

Sweetspot

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



17.0257, 0.2284, 0.1628



71.2187, 0.2929, 0.2865



41.3908, 0.2352, 0.2897



14.5477, 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.



17.0257, 0.2284, 0.1628



18.4246, 0.2071, 0.1270



22.5944, 0.2856, 0.1860



11.5490, 0.3018, 0.3052



3.2758, 0.1634, 0.0674



0.2202, 0.1823, 0.0778

Inverse Universe

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



25.4869, 0.3498, 0.2251



32.9696, 0.3605, 0.2086



51.8519, 0.3239, 0.4946



11.9598, 0.3173, 0.3114



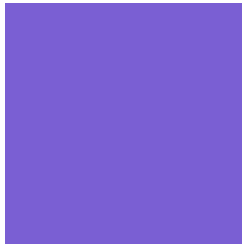
9.9424, 0.3899, 0.1922



0.5677, 0.3747, 0.1838

Previews

White Background



This preview shows how the Yxy color 17.0251, 0.2284, 0.1628 looks on a white background.

Color Contrast Check

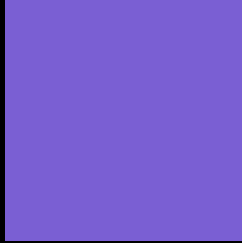
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0251, 0.2284, 0.1628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

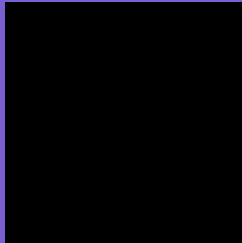
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0251, 0.2284, 0.1628

Background



This preview shows how black text looks on a background with the Yxy color 17.0251, 0.2284, 0.1628.



This preview shows how white text looks on a background with the Yxy color 17.0251, 0.2284, 0.1628.

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

17.0251, 0.2284, 0.1628

Protanopia

17.3824, 0.1804, 0.1531

Deuteranopia

17.2890, 0.1849, 0.1805



Tritanopia

16.9956, 0.2833, 0.3108

Trichromacy



Original Color

17.0251, 0.2284, 0.1628

Protanomaly

16.6423, 0.1906, 0.1533

Deuteranomaly

16.3036, 0.1908, 0.1688

Tritanomaly

16.6228, 0.2602, 0.2421

Monochromacy



Original Color

17.0251, 0.2284, 0.1628

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.8110, 0.2758, 0.2517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0251, 0.2284, 0.1628 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(122, 95, 211)` looks like.

```
.text, #text, p{  
  color:rgb(122, 95, 211)  
}
```

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(122, 95, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 95, 211) }
```

Border

The CSS property to change the border of an element to Yxy 17.0251, 0.2284, 0.1628 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(122, 95, 211) }
```

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

```
.border{ border-color:rgb(122, 95, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 95, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 95, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 95, 211);  
box-shadow:4px 4px 4px 4px rgb(122, 95,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0251, 0.2284, 0.1628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 95, 211) }
```

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

```
.background{ background-color: rgb(122, 95,  
211) }
```

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