

Converting Colors

$Y_{xy}(17.5941, 0.1977, 0.1357)$

Have a look what the booklet for
Yxy(17.5941, 0.1977, 0.1357)
contains.

Yxy(17.5432, 0.1980, 0.1358)	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(17.5432, 0.1980, 0.1358)

Conversions

Conversions Part 1

Format	Color
Hex	6560F2
RGB	101, 96, 242
RGB Percent	40%, 38%, 95%
CMY	0.6040, 0.6235, 0.0509
CMYK	0.58, 0.60, 0.00, 0.05
HSL	242°, 85%, 66%
HSV	242°, 60%, 95%
XYZ	25.5785, 17.5432, 86.0624
YIQ	114.1390, -43.8860, 46.4660

Conversions

Conversions Part 2

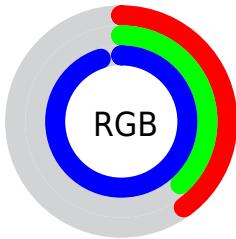
Format	Color
R_{YB}	101, 96, 242
Decimal	6643954
CIE _{Lab}	48.94, 42.91, -72.96
CIE _{LCh}	49, 84.641, 300.461
Yxy	17.5432, 0.1980, 0.1358
Android (android.graphics.Color)	4284834034 (0xFF6560F2)
YUV	114.1390, 63.0355, -11.5229
Hunter-Lab	41.8846, 35.7099, -92.5070

Details

The Yxy color **17.5432, 0.1980, 0.1358** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **82.3740, 0.3943, 0.4720**, and the grayscale version is **16.6879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8740, 0.2439, 0.2008**, and **5.8280, 0.1619, 0.0934** is the 20% darker color. If you saturate the color by 10%, you get **12.6241, 0.1796, 0.1057**, and if you desaturate by 10%, it is **24.2057, 0.2187, 0.1700**.

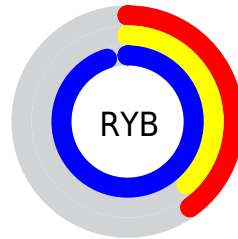
Distribution



Red (40%)

Green (38%)

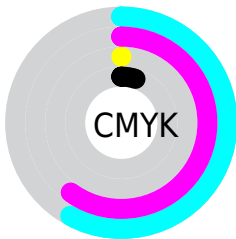
Blue (95%)



Red (40%)

Yellow (38%)

Blue (95%)

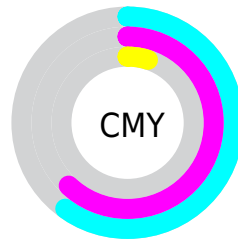


Cyan (58%)

Magenta (60%)

Yellow (0%)

Black (5%)



Cyan (60%)


Magenta (62%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5432, 0.1980, 0.1358 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 17.5432, 0.1980, 0.1358 by changing the saturation by 10% instead.


 17.5432, 0.1980,
0.1358


 17.5432, 0.1980,
0.1358


238.2835, 0.2608,
0.2277


 10.6225, 0.1820,
0.1162


 39.2574, 0.2214,
0.1670


 5.8136, 0.1619,
0.0934


 54.8197, 0.2301,
0.1795

 2.7321, 0.1364,
0.0676

 74.0314, 0.2373,
0.1903

 0.9935, 0.1043,
0.0401

 97.2768, 0.2435,
0.1997

 0.0000, 0.0669,
0.0000

124.9403, 0.2488,
0.2080

 0.0000, 0.0000,
0.0000

157.4063, 0.2533,

0.2153

195.0593, 0.2573,
0.2218

■ 17.5432, 0.1980,
0.1358

■ 17.5432, 0.1980,
0.1358

■ 12.6241, 0.1796,
0.1057

■ 24.2057, 0.2187,
0.1700

■ 9.2840, 0.1651,
0.0824

■ 32.7526, 0.2400,
0.2056


■ 7.3300, 0.1554,
0.0674


■ 43.3122, 0.2606,
0.2404

■ 6.4658, 0.1508,
0.0604

■ 56.0013, 0.2798,
0.2729

■ 70.9276, 0.2971,
0.3022

 88.1916, 0.3122,
0.3282

 99.1924, 0.3203,
0.3415

Harmonies

Analogous

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



17.5432, 0.1219, 0.1273



17.5432, 0.1980, 0.1358



17.5432, 0.3342, 0.1745

Triad

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



17.5432, 0.1980, 0.1358



17.5432, 0.5803, 0.4024



17.5432, 0.1327, 0.4113

Complementary

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



17.5432, 0.1980, 0.1358



82.3740, 0.3943, 0.4720

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.



17.5432, 0.2306, 0.6064



17.5432, 0.1980, 0.1358



17.5432, 0.4855, 0.5145

Square

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



17.5432, 0.1980, 0.1358



17.5432, 0.6027, 0.3165



17.5432, 0.3556, 0.6164



17.5432, 0.0900, 0.2344

Rectangle

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



17.5432, 0.1980, 0.1358



17.5432, 0.4491, 0.2159



17.5432, 0.3556, 0.6164



17.5432, 0.1597, 0.4861

Sweetspot

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



17.5437, 0.1980, 0.1358



66.6702, 0.2840, 0.2799



69.5591, 0.2375, 0.3228



13.2873, 0.2787, 0.2709



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.



17.5437, 0.1980, 0.1358



13.3838, 0.1766, 0.1008



23.7622, 0.2543, 0.1605



15.2545, 0.2985, 0.3046



3.4845, 0.1511, 0.0606



0.2989, 0.1538, 0.0621

Inverse Universe

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



33.3632, 0.3241, 0.1927



32.6396, 0.3262, 0.1758



72.2720, 0.3420, 0.5022



16.0215, 0.3143, 0.3065



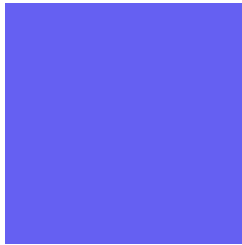
13.3281, 0.3296, 0.1590



1.1117, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 17.5432, 0.1980, 0.1358 looks on a white background.

Color Contrast Check

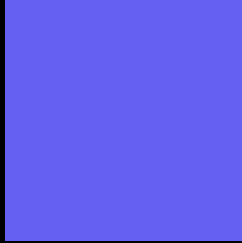
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5432, 0.1980, 0.1358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

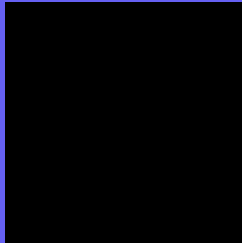
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5432, 0.1980, 0.1358

Background



This preview shows how black text looks on a background with the Yxy color 17.5432, 0.1980, 0.1358.



This preview shows how white text looks on a background with the Yxy color 17.5432, 0.1980, 0.1358.

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

17.5432, 0.1980, 0.1358

Protanopia

17.4833, 0.1735, 0.1447

Deuteranopia

17.5533, 0.1849, 0.1855



Tritanopia

17.5691, 0.2379, 0.3075

Trichromacy



Original Color

17.5432, 0.1980, 0.1358



Protanomaly

16.9334, 0.1759, 0.1385



Deuteranomaly

16.8241, 0.1828, 0.1610



Tritanomaly

16.7731, 0.2178, 0.2198

Monochromacy



Original Color

17.5432, 0.1980, 0.1358



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

16.3398, 0.2562, 0.2326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5432, 0.1980, 0.1358 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(101, 96, 242)` looks like.

```
.text, #text, p{  
    color:rgb(101, 96, 242)  
}
```

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(101, 96, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 96, 242) }
```

Border

The CSS property to change the border of an element to Yxy 17.5432, 0.1980, 0.1358 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(101, 96, 242) }
```

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

```
.border{ border-color:rgb(101, 96, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 96, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 96, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 96, 242);  
box-shadow:4px 4px 4px 4px rgb(101, 96,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5432, 0.1980, 0.1358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 96, 242) }
```

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

```
.background{ background-color: rgb(101, 96,  
242) }
```

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