

Converting Colors

$Y_{xy}(17.7856, 0.2113, 0.1481)$

Have a look what the booklet for
Yxy(17.7856, 0.2113, 0.1481)
contains.

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Color

Yxy(17.7733, 0.2112, 0.1480)

Conversions

Conversions Part 1

Format	Color
Hex	7161E6
RGB	113, 97, 230
RGB Percent	44%, 38%, 90%
CMY	0.5570, 0.6195, 0.0981
CMYK	0.51, 0.58, 0.00, 0.10
HSL	247°, 73%, 64%
HSV	247°, 58%, 90%
XYZ	25.3630, 17.7733, 76.9536
YIQ	116.9460, -33.1570, 44.7550

Conversions

Conversions Part 2

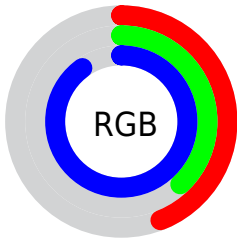
Format	Color
R_{YB}	113, 97, 230
Decimal	7430630
CIE _{Lab}	49.22, 40.78, -65.70
CIE _{LCh}	49, 77.330, 301.828
Yxy	17.7733, 0.2112, 0.1480
Android (android.graphics.Color)	4285620710 (0xFF7161E6)
YUV	116.9460, 55.7356, -3.4606
Hunter-Lab	42.1584, 33.6105, -78.7138

Details

The Yxy color **17.7733, 0.2112, 0.1480** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **71.7591, 0.3828, 0.4719**, and the grayscale version is **17.6032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1705, 0.2506, 0.2040**, and **5.9513, 0.1775, 0.1062** is the 20% darker color. If you saturate the color by 10%, you get **12.9255, 0.1922, 0.1171**, and if you desaturate by 10%, it is **24.1533, 0.2313, 0.1819**.

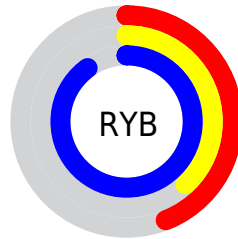
Distribution



Red (44%)

Green (38%)

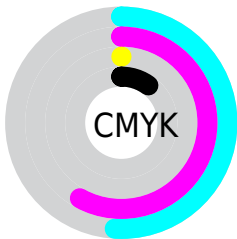
Blue (90%)



Red (44%)

Yellow (38%)

Blue (90%)

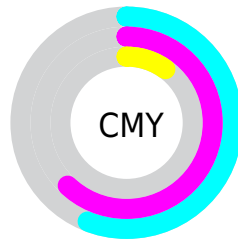


Cyan (51%)

Magenta (58%)

Yellow (0%)

Black (10%)



Cyan (56%)


Magenta (62%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7733, 0.2112, 0.1480 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 17.7733, 0.2112, 0.1480 by changing the saturation by 10% instead.


 17.7733, 0.2112,
0.1480


 17.7733, 0.2112,
0.1480


239.5901, 0.2678,
0.2359


 10.7874, 0.1962,
0.1285


 39.6507, 0.2326,
0.1785

 5.9240, 0.1770,
0.1053


 55.3108, 0.2405,
0.1904

 2.7989, 0.1520,
0.0783

 74.6312, 0.2470,
0.2007

 1.0277, 0.1193,
0.0483

 97.9962, 0.2525,
0.2096

 0.0000, 0.0797,
0.0000

125.7902, 0.2572,
0.2175

 0.0000, 0.0000,
0.0000

158.3976, 0.2612,

0.2243

196.2028, 0.2647,
0.2305

■ 17.7733, 0.2112,
0.1480

■ 17.7733, 0.2112,
0.1480

■ 12.9255, 0.1922,
0.1171

■ 24.1533, 0.2313,
0.1819

■ 9.4784, 0.1758,
0.0917

■ 32.1789, 0.2512,
0.2165

■ 7.2807, 0.1632,
0.0737


■ 41.9544, 0.2700,
0.2500

■ 6.1289, 0.1550,
0.0636


■ 53.5754, 0.2871,
0.2811

■ 5.9539, 0.1537,
0.0621

■ 67.1301, 0.3022,
0.3092

 82.7014, 0.3154,
0.3342

 98.4278, 0.3271,
0.3532

 98.4930, 0.3274,
0.3532

Harmonies

Analogous

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



17.7733, 0.1354, 0.1388



17.7733, 0.2112, 0.1480



17.7733, 0.3405, 0.1868

Triad

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



17.7733, 0.2112, 0.1480



17.7733, 0.5625, 0.4103



17.7733, 0.1435, 0.3961

Complementary

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



17.7733, 0.2112, 0.1480



71.7591, 0.3828, 0.4719

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.



17.7733, 0.2363, 0.5719



17.7733, 0.2112, 0.1480



17.7733, 0.4734, 0.5114

Square

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



17.7733, 0.2112, 0.1480



17.7733, 0.5820, 0.3261



17.7733, 0.3552, 0.5980



17.7733, 0.1022, 0.2391

Rectangle

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



17.7733, 0.2112, 0.1480



17.7733, 0.4451, 0.2274



17.7733, 0.3552, 0.5980



17.7733, 0.1691, 0.4617

Sweetspot

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



17.7738, 0.2112, 0.1480



68.8605, 0.2882, 0.2832



56.5929, 0.2365, 0.3085



14.0548, 0.2849, 0.2772



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.



17.7738, 0.2112, 0.1480



15.5368, 0.1894, 0.1127



23.8520, 0.2682, 0.1722



13.9695, 0.2999, 0.3048



3.3983, 0.1545, 0.0625



0.2785, 0.1643, 0.0679

Inverse Universe

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



30.2329, 0.3355, 0.2068



32.7942, 0.3410, 0.1899



63.7502, 0.3339, 0.4989



14.5839, 0.3156, 0.3086



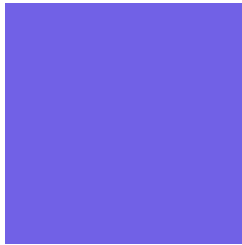
11.9619, 0.3536, 0.1721



0.8924, 0.3481, 0.1692

Previews

White Background



This preview shows how the Yxy color 17.7733, 0.2112, 0.1480 looks on a white background.

Color Contrast Check

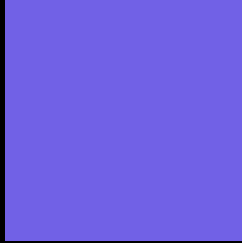
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7733, 0.2112, 0.1480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

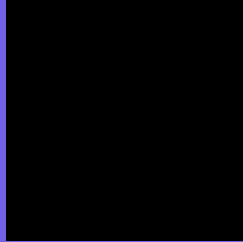
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7733, 0.2112, 0.1480

Background



This preview shows how black text looks on a background with the Yxy color 17.7733, 0.2112, 0.1480.



This preview shows how white text looks on a background with the Yxy color 17.7733, 0.2112, 0.1480.

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

17.7733, 0.2112, 0.1480

Protanopia

17.8203, 0.1735, 0.1447

Deuteranopia

17.7477, 0.1837, 0.1813



Tritanopia

17.6984, 0.2593, 0.3083

Trichromacy



Original Color

17.7733, 0.2112, 0.1480



Protanomaly

17.0429, 0.1778, 0.1422



Deuteranomaly

16.7982, 0.1844, 0.1631



Tritanomaly

17.2415, 0.2380, 0.2318

Monochromacy



Original Color

17.7733, 0.2112, 0.1480



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

17.3335, 0.2670, 0.2442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7733, 0.2112, 0.1480 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(113, 97, 230)` looks like.

```
.text, #text, p{  
    color:rgb(113, 97, 230)  
}
```

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(113, 97, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 97, 230) }
```

Border

The CSS property to change the border of an element to Yxy 17.7733, 0.2112, 0.1480 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(113, 97, 230) }
```

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

```
.border{ border-color:rgb(113, 97, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 97, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 97, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 97, 230);  
box-shadow:4px 4px 4px 4px rgb(113, 97,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7733, 0.2112, 0.1480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 97, 230) }
```

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

```
.background{ background-color: rgb(113, 97,  
230) }
```

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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