

Converting Colors

$Y_{xy}(17.9455, 0.2142, 0.1475)$

Have a look what the booklet for
Yxy(17.9455, 0.2142, 0.1475)
contains.

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Color

Yxy(17.9868, 0.2142, 0.1477)

Conversions

Conversions Part 1

Format	Color
Hex	7660E7
RGB	118, 96, 231
RGB Percent	46%, 38%, 91%
CMY	0.5370, 0.6236, 0.0941
CMYK	0.49, 0.58, 0.00, 0.09
HSL	250°, 74%, 64%
HSV	250°, 58%, 91%
XYZ	26.0851, 17.9868, 77.7074
YIQ	117.9680, -30.2230, 46.6490

Conversions

Conversions Part 2

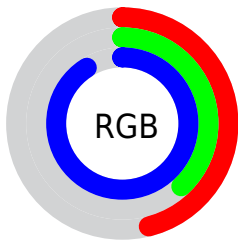
Format	Color
R _Y B	118, 96, 231
Decimal	7758055
CIE Lab	49.48, 42.69, -65.83
CIE LCh	49, 78.461, 302.960
Yxy	17.9868, 0.2142, 0.1477
Android (android.graphics.Color)	4285948135 (0xFF7660E7)
YUV	117.9680, 55.7248, 0.0281
Hunter-Lab	42.4108, 35.5688, -78.9466

Details

The Yxy color **17.9868, 0.2142, 0.1477** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **71.5473, 0.3788, 0.4758**, and the grayscale version is **17.9376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4345, 0.2541, 0.2041**, and **5.9821, 0.1805, 0.1051** is the 20% darker color. If you saturate the color by 10%, you get **13.1568, 0.1956, 0.1174**, and if you desaturate by 10%, it is **24.3330, 0.2337, 0.1811**.

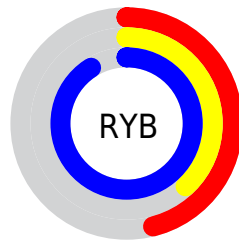
Distribution



Red (46%)

Green (38%)

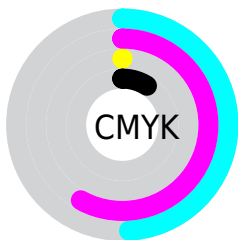
Blue (91%)



Red (46%)

Yellow (38%)

Blue (91%)

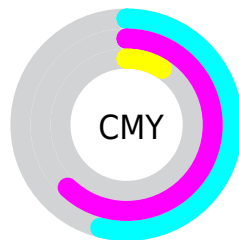


Cyan (49%)

Magenta (58%)

Yellow (0%)

Black (9%)



Cyan (54%)


Magenta (62%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9868, 0.2142, 0.1477 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 17.9868, 0.2142, 0.1477 by changing the saturation by 10% instead.


 17.9868, 0.2142,
0.1477


 17.9868, 0.2142,
0.1477


240.7966, 0.2693,
0.2354


 10.9405, 0.1996,
0.1283


 40.0148, 0.2351,
0.1780

 6.0268, 0.1808,
0.1053


 55.7654, 0.2427,
0.1899

 2.8614, 0.1562,
0.0785

 75.1861, 0.2491,
0.2002

 1.0598, 0.1240,
0.0487

 98.6614, 0.2544,
0.2091

 0.0000, 0.0846,
0.0000

126.5758, 0.2590,
0.2169

 0.0000, 0.0000,
0.0000

159.3135, 0.2629,

0.2238

197.2590, 0.2663,
0.2299

■ 17.9868, 0.2142,
0.1477

■ 17.9868, 0.2142,
0.1477

■ 13.1568, 0.1956,
0.1174

■ 24.3330, 0.2337,
0.1811

■ 9.7123, 0.1792,
0.0925

■ 32.3078, 0.2529,
0.2152

■ 7.5027, 0.1662,
0.0748


■ 42.0148, 0.2710,
0.2484

■ 6.3145, 0.1573,
0.0646


■ 53.5484, 0.2874,
0.2794

■ 6.1783, 0.1562,
0.0634

■ 66.9963, 0.3019,
0.3075

 82.4402, 0.3145,
0.3327

 98.2332, 0.3257,
0.3523

 98.5502, 0.3268,
0.3522

Harmonies

Analogous

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



17.9868, 0.1362, 0.1373



17.9868, 0.2142, 0.1477



17.9868, 0.3465, 0.1877

Triad

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



17.9868, 0.2142, 0.1477



17.9868, 0.5616, 0.4135



17.9868, 0.1395, 0.3893

Complementary

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



17.9868, 0.2142, 0.1477



71.5473, 0.3788, 0.4758

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.



17.9868, 0.2309, 0.5703



17.9868, 0.2142, 0.1477



17.9868, 0.4698, 0.5162

Square

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



17.9868, 0.2142, 0.1477



17.9868, 0.5855, 0.3284



17.9868, 0.3501, 0.6024



17.9868, 0.1001, 0.2337

Rectangle

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



17.9868, 0.2142, 0.1477



17.9868, 0.4522, 0.2291



17.9868, 0.3501, 0.6024



17.9868, 0.1644, 0.4557

Sweetspot

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



17.9874, 0.2142, 0.1477



67.5617, 0.2879, 0.2804



54.7236, 0.2345, 0.3021



13.4999, 0.2834, 0.2717



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.



17.9874, 0.2142, 0.1477



15.5037, 0.1922, 0.1121



24.2908, 0.2719, 0.1724



13.9998, 0.3005, 0.3049



3.4986, 0.1572, 0.0640



0.2928, 0.1693, 0.0706

Inverse Universe

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



29.9519, 0.3423, 0.2108



31.9782, 0.3499, 0.1944



63.8640, 0.3309, 0.5025



14.5726, 0.3163, 0.3096



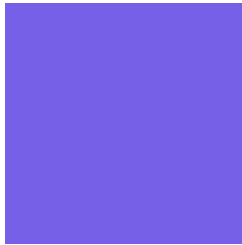
11.7038, 0.3670, 0.1795



0.8757, 0.3592, 0.1752

Previews

White Background



This preview shows how the Yxy color 17.9868, 0.2142, 0.1477 looks on a white background.

Color Contrast Check

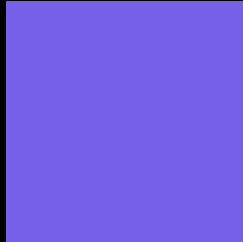
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9868, 0.2142, 0.1477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

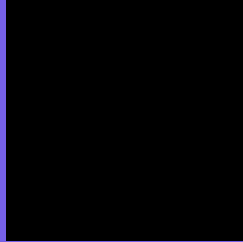
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9868, 0.2142, 0.1477

Background



This preview shows how black text looks on a background with the Yxy color 17.9868, 0.2142, 0.1477.



This preview shows how white text looks on a background with the Yxy color 17.9868, 0.2142, 0.1477.

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

17.9868, 0.2142, 0.1477

Protanopia

18.1015, 0.1737, 0.1454

Deuteranopia

18.0364, 0.1839, 0.1820



Tritanopia

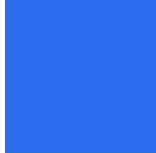
18.0330, 0.2659, 0.3087

Trichromacy



Original Color

17.9868, 0.2142, 0.1477



Protanomaly

17.1434, 0.1780, 0.1417



Deuteranomaly

16.8922, 0.1847, 0.1624



Tritanomaly

17.3842, 0.2423, 0.2299

Monochromacy



Original Color

17.9868, 0.2142, 0.1477



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.5066, 0.2682, 0.2432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9868, 0.2142, 0.1477 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, 96, 231)` looks like.

```
.text, #text, p{  
    color:rgb(118, 96, 231)  
}
```

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, 96, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 96, 231) }
```

Border

The CSS property to change the border of an element to Yxy 17.9868, 0.2142, 0.1477 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, 96, 231) }
```

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

```
.border{ border-color:rgb(118, 96, 231) }
```

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

Here you see how a box with a 4 pixel rgb(118, 96, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 96, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 96, 231);  
box-shadow:4px 4px 4px 4px rgb(118, 96,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9868, 0.2142, 0.1477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 96, 231) }
```

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

```
.background{ background-color: rgb(118, 96,  
231) }
```

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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