

Converting Colors

$Y_{xy}(17.6530, 0.2146, 0.1500)$

Have a look what the booklet for
Yxy(17.6530, 0.2146, 0.1500)
contains.

Yxy(17.6248, 0.2147, 0.1498)	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(17.6248, 0.2147, 0.1498)

Conversions

Conversions Part 1

Format	Color
Hex	7460E3
RGB	116, 96, 227
RGB Percent	45%, 38%, 89%
CMY	0.5448, 0.6237, 0.1097
CMYK	0.49, 0.58, 0.00, 0.11
HSL	249°, 70%, 63%
HSV	249°, 58%, 89%
XYZ	25.2606, 17.6248, 74.7701
YIQ	116.9140, -30.1310, 44.9810

Conversions

Conversions Part 2

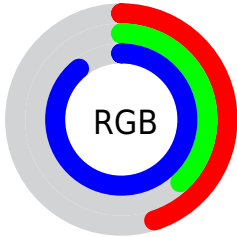
Format	Color
R _Y B	116, 96, 227
Decimal	7626979
CIE Lab	49.04, 41.13, -64.31
CIE LCh	49, 76.344, 302.601
Yxy	17.6248, 0.2147, 0.1498
Android (android.graphics.Color)	4285817059 (0xFF7460E3)
YUV	116.9140, 54.2724, -0.8016
Hunter-Lab	41.9819, 33.9357, -76.2086

Details

The Yxy color **17.6248, 0.2147, 0.1498** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **69.0587, 0.3792, 0.4735**, and the grayscale version is **17.5987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2014, 0.2526, 0.2036**, and **5.8384, 0.1809, 0.1063** is the 20% darker color. If you saturate the color by 10%, you get **12.8807, 0.1959, 0.1191**, and if you desaturate by 10%, it is **23.8383, 0.2344, 0.1834**.

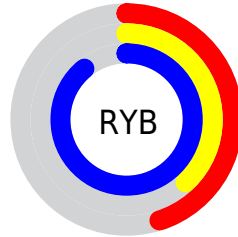
Distribution



Red (45%)

Green (38%)

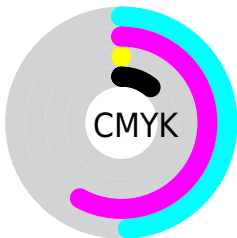
Blue (89%)



Red (45%)

Yellow (38%)

Blue (89%)

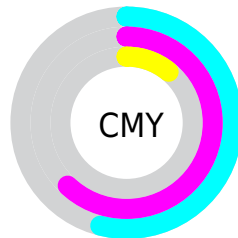


Cyan (49%)

Magenta (58%)

Yellow (0%)

Black (11%)



Cyan (54%)


Magenta (62%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6248, 0.2147, 0.1498 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 17.6248, 0.2147, 0.1498 by changing the saturation by 10% instead.


 17.6248, 0.2147,
0.1498


 17.6248, 0.2147,
0.1498


238.7476, 0.2697,
0.2372


 10.6810, 0.2000,
0.1302


 39.3969, 0.2356,
0.1802


 5.8527, 0.1810,
0.1070


 54.9940, 0.2433,
0.1921

 2.7557, 0.1561,
0.0797

 74.2443, 0.2496,
0.2023

 1.0056, 0.1233,
0.0492

 97.5322, 0.2549,
0.2112

 0.0000, 0.0829,
0.0000

125.2421, 0.2594,
0.2189

 0.0000, 0.0000,
0.0000

157.7584, 0.2633,

0.2257

195.4654, 0.2667,
0.2318

■ 17.6248, 0.2147,
0.1498

■ 17.6248, 0.2147,
0.1498

■ 12.8807, 0.1959,
0.1191

■ 23.8383, 0.2344,
0.1834

■ 9.4812, 0.1793,
0.0937

■ 31.6286, 0.2537,
0.2176

■ 7.2834, 0.1662,
0.0754


■ 41.0949, 0.2718,
0.2507


■ 6.0948, 0.1572,
0.0649


■ 52.3276, 0.2882,
0.2815

■ 5.9023, 0.1556,
0.0631

■ 65.4108, 0.3028,
0.3095

 80.4230, 0.3154,
0.3344

 97.4384, 0.3263,
0.3563

 98.3281, 0.3291,
0.3561

Harmonies

Analogous

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



17.6248, 0.1379, 0.1399



17.6248, 0.2147, 0.1498



17.6248, 0.3443, 0.1892

Triad

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



17.6248, 0.2147, 0.1498



17.6248, 0.5593, 0.4129



17.6248, 0.1432, 0.3907

Complementary

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



17.6248, 0.2147, 0.1498



69.0587, 0.3792, 0.4735

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.



17.6248, 0.2345, 0.5660



17.6248, 0.2147, 0.1498



17.6248, 0.4699, 0.5132

Square

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



17.6248, 0.2147, 0.1498



17.6248, 0.5805, 0.3287



17.6248, 0.3525, 0.5970



17.6248, 0.1032, 0.2372

Rectangle

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



17.6248, 0.2147, 0.1498



17.6248, 0.4478, 0.2300



17.6248, 0.3525, 0.5970



17.6248, 0.1683, 0.4553

Sweetspot

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



17.6253, 0.2147, 0.1498



69.0836, 0.2892, 0.2833



52.8414, 0.2353, 0.3025



14.1068, 0.2860, 0.2774



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.



17.6253, 0.2147, 0.1498



15.8854, 0.1929, 0.1143



23.7511, 0.2727, 0.1744



13.9927, 0.3004, 0.3049



3.4726, 0.1565, 0.0636



0.2895, 0.1681, 0.0700

Inverse Universe

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



29.1985, 0.3403, 0.2109



32.4615, 0.3473, 0.1942



61.5392, 0.3309, 0.5001



14.5752, 0.3161, 0.3093



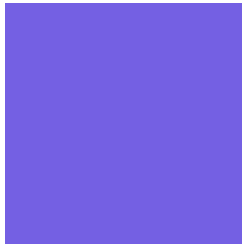
11.7627, 0.3638, 0.1778



0.8795, 0.3565, 0.1738

Previews

White Background



This preview shows how the Yxy color 17.6248, 0.2147, 0.1498 looks on a white background.

Color Contrast Check

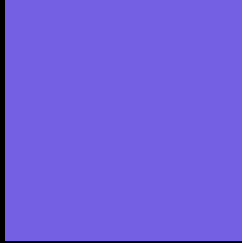
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6248, 0.2147, 0.1498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

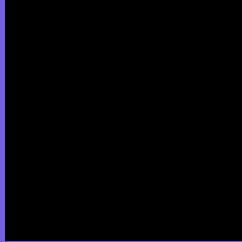
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6248, 0.2147, 0.1498

Background



This preview shows how black text looks on a background with the Yxy color 17.6248, 0.2147, 0.1498.



This preview shows how white text looks on a background with the Yxy color 17.6248, 0.2147, 0.1498.

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

17.6248, 0.2147, 0.1498

Protanopia

17.7614, 0.1737, 0.1454

Deuteranopia

17.7477, 0.1837, 0.1813



Tritanopia

17.6325, 0.2655, 0.3105

Trichromacy



Original Color

17.6248, 0.2147, 0.1498



Protanomaly

16.7408, 0.1781, 0.1423



Deuteranomaly

16.7674, 0.1850, 0.1641



Tritanomaly

17.1601, 0.2427, 0.2337

Monochromacy



Original Color

17.6248, 0.2147, 0.1498



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

17.1535, 0.2689, 0.2442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6248, 0.2147, 0.1498 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(116, 96, 227)` looks like.

```
.text, #text, p{  
    color:rgb(116, 96, 227)  
}
```

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(116, 96, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 96, 227) }
```

Border

The CSS property to change the border of an element to Yxy 17.6248, 0.2147, 0.1498 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(116, 96, 227) }
```

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

```
.border{ border-color:rgb(116, 96, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 96, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 96, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 96, 227);  
box-shadow:4px 4px 4px 4px rgb(116, 96,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6248, 0.2147, 0.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 96, 227) }
```

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

```
.background{ background-color: rgb(116, 96,  
227) }
```

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