

Converting Colors

$Y_{xy}(17.8772, 0.1986, 0.1463)$

Have a look what the booklet for
Yxy(17.8772, 0.1986, 0.1463)
contains.

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Color

Yxy(17.8229, 0.1984, 0.1460)

Conversions

Conversions Part 1

Format	Color
Hex	5E66EA
RGB	94, 102, 234
RGB Percent	37%, 40%, 92%
CMY	0.6315, 0.6000, 0.0822
CMYK	0.60, 0.56, 0.00, 0.08
HSL	237°, 77%, 64%
HSV	237°, 60%, 92%
XYZ	24.2196, 17.8229, 80.0321
YIQ	114.6560, -47.1400, 39.3560

Conversions

Conversions Part 2

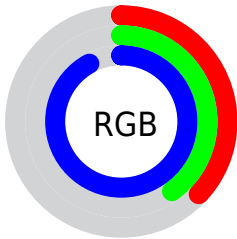
Format	Color
R _Y B	94, 102, 234
Decimal	6186730
CIE Lab	49.28, 35.61, -67.94
CIE LCh	49, 76.708, 297.659
Yxy	17.8229, 0.1984, 0.1460
Android (android.graphics.Color)	4284376810 (0xFF5E66EA)
YUV	114.6560, 58.8366, -18.1153
Hunter-Lab	42.2172, 28.5238, -82.8455

Details

The Yxy color **17.8229, 0.1984, 0.1460** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **72.6989, 0.4019, 0.4626**, and the grayscale version is **16.8630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0704, 0.2401, 0.2063**, and **5.9132, 0.1621, 0.1029** is the 20% darker color. If you saturate the color by 10%, you get **12.9942, 0.1802, 0.1154**, and if you desaturate by 10%, it is **24.1810, 0.2188, 0.1796**.

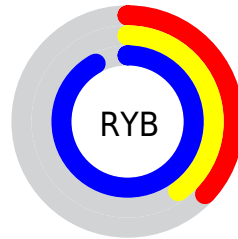
Distribution



Red (37%)

Green (40%)

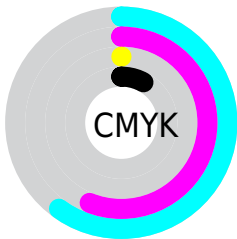
Blue (92%)



Red (37%)

Yellow (40%)

Blue (92%)

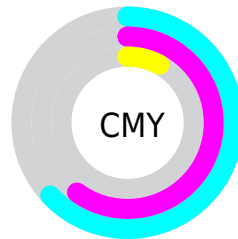


Cyan (60%)

Magenta (56%)

Yellow (0%)

Black (8%)



Cyan (63%)


Magenta (60%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8229, 0.1984, 0.1460 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 17.8229, 0.1984, 0.1460 by changing the saturation by 10% instead.


 17.8229, 0.1984,
0.1460


 17.8229, 0.1984,
0.1460


239.8709, 0.2609,
0.2349


 10.8229, 0.1824,
0.1263


 39.7353, 0.2217,
0.1768


 5.9479, 0.1621,
0.1032


 55.4165, 0.2303,
0.1888

 2.8134, 0.1362,
0.0762

 74.7603, 0.2376,
0.1993

 1.0351, 0.1034,
0.0466

 98.1510, 0.2437,
0.2083

 0.0000, 0.0650,
0.0000

125.9730, 0.2489,
0.2162

 0.0000, 0.0000,
0.0000

158.6107, 0.2535,

0.2232

196.4486, 0.2574,
0.2294

■ 17.8229, 0.1984,
0.1460

■ 17.8229, 0.1984,
0.1460

■ 12.9942, 0.1802,
0.1154

■ 24.1810, 0.2188,
0.1796

■ 9.5646, 0.1657,
0.0903

■ 32.1811, 0.2399,
0.2139

■ 7.3846, 0.1559,
0.0726


■ 41.9271, 0.2605,
0.2469

■ 6.2524, 0.1508,
0.0628

■ 53.5138, 0.2798,
0.2775

■ 6.2414, 0.1508,
0.0627

■ 67.0291, 0.2973,
0.3051

 82.5554, 0.3129,
0.3293

 98.7226, 0.3250,
0.3493

Harmonies

Analogous

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



17.8229, 0.1296, 0.1410



17.8229, 0.1984, 0.1460



17.8229, 0.3197, 0.1806

Triad

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



17.8229, 0.1984, 0.1460



17.8229, 0.5690, 0.3979



17.8229, 0.1547, 0.4226

Complementary

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



17.8229, 0.1984, 0.1460



72.6989, 0.4019, 0.4626

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.



17.8229, 0.2530, 0.5839



17.8229, 0.1984, 0.1460



17.8229, 0.4876, 0.4962

Square

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



17.8229, 0.1984, 0.1460



17.8229, 0.5743, 0.3158



17.8229, 0.3723, 0.5878



17.8229, 0.1064, 0.2565

Rectangle

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



17.8229, 0.1984, 0.1460



17.8229, 0.4226, 0.2189



17.8229, 0.3723, 0.5878



17.8229, 0.1827, 0.4868

Sweetspot

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



17.8234, 0.1984, 0.1460



67.7436, 0.2831, 0.2826



66.6637, 0.2433, 0.3408



13.5423, 0.2777, 0.2741



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.



17.8234, 0.1984, 0.1460



14.5992, 0.1762, 0.1086



20.8771, 0.2422, 0.1565



14.6875, 0.2980, 0.3060



3.5638, 0.1510, 0.0636



0.3288, 0.1537, 0.0734

Inverse Universe

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



26.4571, 0.4899, 0.3213



26.4257, 0.5482, 0.3216



68.5965, 0.3518, 0.4949



15.0681, 0.3284, 0.3277



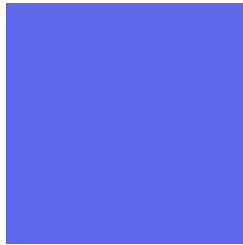
9.8526, 0.6339, 0.3266



0.7786, 0.6176, 0.3176

Previews

White Background



This preview shows how the Yxy color 17.8229, 0.1984, 0.1460 looks on a white background.

Color Contrast Check

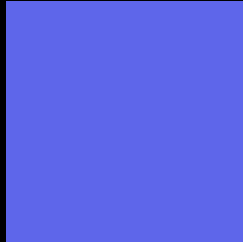
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8229, 0.1984, 0.1460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

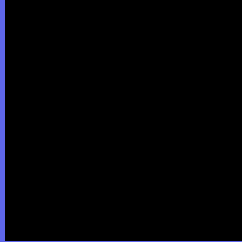
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8229, 0.1984, 0.1460

Background



This preview shows how black text looks on a background with the Yxy color 17.8229, 0.1984, 0.1460.



This preview shows how white text looks on a background with the Yxy color 17.8229, 0.1984, 0.1460.

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

17.8229, 0.1984, 0.1460

Protanopia

17.8203, 0.1735, 0.1447

Deuteranopia

17.6986, 0.1840, 0.1823



Tritanopia

17.6918, 0.2329, 0.3054

Trichromacy



Original Color

17.8229, 0.1984, 0.1460

Protanomaly

17.1796, 0.1764, 0.1422

Deuteranomaly

17.1601, 0.1832, 0.1647

Tritanomaly

17.1322, 0.2158, 0.2273

Monochromacy



Original Color

17.8229, 0.1984, 0.1460

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.7463, 0.2574, 0.2420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8229, 0.1984, 0.1460 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(94, 102, 234)` looks like.

```
.text, #text, p{  
    color:rgb(94, 102, 234)  
}
```

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(94, 102, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 102, 234) }
```

Border

The CSS property to change the border of an element to Yxy 17.8229, 0.1984, 0.1460 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(94, 102, 234) }
```

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

```
.border{ border-color:rgb(94, 102, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 102, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 102, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 102, 234);  
box-shadow:4px 4px 4px 4px rgb(94, 102,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8229, 0.1984, 0.1460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 102, 234) }
```

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

```
.background{ background-color: rgb(94, 102,  
234) }
```

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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