

Converting Colors

$Y_{xy}(17.1940, 0.2236, 0.1598)$

Have a look what the booklet for
Yxy(17.1940, 0.2236, 0.1598)
contains.

Yxy(17.1940, 0.2236, 0.1598)	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(17.1940, 0.2236, 0.1598)

Conversions

Conversions Part 1

Format	Color
Hex	7760D7
RGB	119, 96, 215
RGB Percent	47%, 38%, 84%
CMY	0.5332, 0.6236, 0.1568
CMYK	0.45, 0.55, 0.00, 0.16
HSL	252°, 60%, 61%
HSV	252°, 55%, 84%
XYZ	24.0587, 17.1940, 66.3443
YIQ	116.4430, -24.4910, 41.8850

Conversions

Conversions Part 2

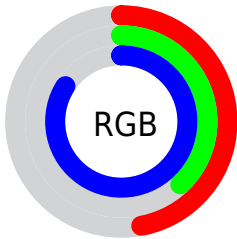
Format	Color
R_{YB}	119, 96, 215
Decimal	7823575
CIE _{Lab}	48.50, 38.25, -58.34
CIE _{LCh}	49, 69.765, 303.252
Yxy	17.1940, 0.2236, 0.1598
Android (android.graphics.Color)	4286013655 (0xFF7760D7)
YUV	116.4430, 48.5886, 2.2425
Hunter-Lab	41.4656, 31.0022, -65.8370

Details

The Yxy color **17.1940, 0.2236, 0.1598** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **60.6518, 0.3731, 0.4701**, and the grayscale version is **17.4625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3175, 0.2534, 0.2038**, and **5.6092, 0.1915, 0.1163** is the 20% darker color. If you saturate the color by 10%, you get **12.6764, 0.2049, 0.1286**, and if you desaturate by 10%, it is **23.0092, 0.2426, 0.1932**.

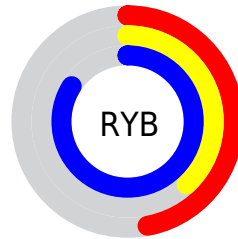
Distribution



Red (47%)

Green (38%)

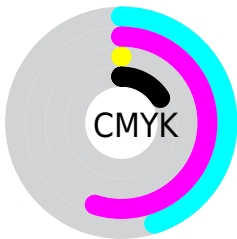
Blue (84%)



Red (47%)

Yellow (38%)

Blue (84%)

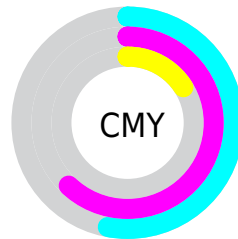


Cyan (45%)

Magenta (55%)

Yellow (0%)

Black (16%)



Cyan (53%)


Magenta (62%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1940, 0.2236, 0.1598 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 17.1940, 0.2236, 0.1598 by changing the saturation by 10% instead.


 17.1940, 0.2236,
0.1598


 17.1940, 0.2236,
0.1598


236.2879, 0.2744,
0.2441


 10.3729, 0.2096,
0.1402


 38.6590, 0.2432,
0.1896


 5.6469, 0.1912,
0.1166


 54.0718, 0.2503,
0.2011

 2.6316, 0.1664,
0.0881

 73.1171, 0.2561,
0.2110

 0.9426, 0.1327,
0.0553

 96.1796, 0.2610,
0.2195

 0.0000, 0.0897,
0.0000

123.6435, 0.2651,
0.2268

 0.0000, 0.0000,
0.0000

155.8932, 0.2686,

0.2333

193.3132, 0.2717,
0.2390

■ 17.1940, 0.2236,
0.1598

■ 17.1940, 0.2236,
0.1598

■ 12.6764, 0.2049,
0.1286

■ 23.0092, 0.2426,
0.1932

■ 9.3527, 0.1877,
0.1019

■ 30.2110, 0.2609,
0.2267

■ 7.1058, 0.1733,
0.0816

■ 38.8829, 0.2778,
0.2589

■ 5.7930, 0.1625,
0.0688

■ 49.1007, 0.2930,
0.2887

■ 5.3905, 0.1587,
0.0648

■ 60.9354, 0.3063,
0.3157

■ 74.4533, 0.3179,
0.3398

■ 89.7171, 0.3278,
0.3611

■ 97.6866, 0.3364,
0.3681

Harmonies

Analogous

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



17.1940, 0.1486, 0.1498



17.1940, 0.2236, 0.1598



17.1940, 0.3459, 0.1984

Triad

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



17.1940, 0.2236, 0.1598



17.1940, 0.5453, 0.4162



17.1940, 0.1533, 0.3832

Complementary

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



17.1940, 0.2236, 0.1598



60.6518, 0.3731, 0.4701

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.



17.1940, 0.2405, 0.5416



17.1940, 0.2236, 0.1598



17.1940, 0.4628, 0.5083

Square

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



17.1940, 0.2236, 0.1598



17.1940, 0.5628, 0.3344



17.1940, 0.3531, 0.5792



17.1940, 0.1140, 0.2432

Rectangle

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



17.1940, 0.2236, 0.1598



17.1940, 0.4411, 0.2381



17.1940, 0.3531, 0.5792



17.1940, 0.1774, 0.4410

Sweetspot

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



17.1946, 0.2236, 0.1598



69.3537, 0.2904, 0.2835



45.6156, 0.2366, 0.2981



14.1698, 0.2874, 0.2776



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.



17.1946, 0.2236, 0.1598



17.9286, 0.2026, 0.1249



22.6557, 0.2791, 0.1825



12.1232, 0.3011, 0.3051



3.2589, 0.1597, 0.0653



0.2311, 0.1758, 0.0742

Inverse Universe

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



26.6172, 0.3444, 0.2197



33.3252, 0.3529, 0.2032



54.4904, 0.3280, 0.4938



12.5896, 0.3167, 0.3104



10.4700, 0.3765, 0.1848



0.6423, 0.3651, 0.1785

Previews

White Background



This preview shows how the Yxy color 17.1940, 0.2236, 0.1598 looks on a white background.

Color Contrast Check

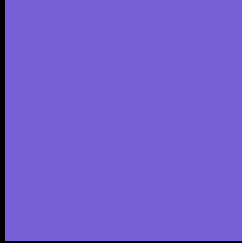
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1940, 0.2236, 0.1598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

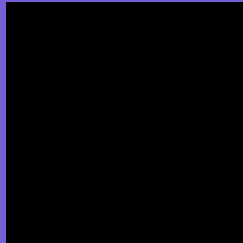
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.1940, 0.2236, 0.1598

Background



This preview shows how black text looks on a background with the Yxy color 17.1940, 0.2236, 0.1598.



This preview shows how white text looks on a background with the Yxy color 17.1940, 0.2236, 0.1598.

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

17.1940, 0.2236, 0.1598

Protanopia

17.4455, 0.1784, 0.1504

Deuteranopia

17.2276, 0.1830, 0.1789



Tritanopia

17.2390, 0.2760, 0.3106

Trichromacy



Original Color

17.1940, 0.2236, 0.1598



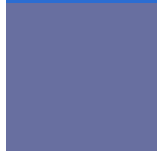
Protanomaly

16.8343, 0.1878, 0.1516



Deuteranomaly

16.1040, 0.1859, 0.1655



Tritanomaly

16.8500, 0.2528, 0.2402

Monochromacy



Original Color

17.1940, 0.2236, 0.1598



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.9862, 0.2738, 0.2518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1940, 0.2236, 0.1598 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(119, 96, 215)` looks like.

```
.text, #text, p{  
  color:rgb(119, 96, 215)  
}
```

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(119, 96, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 96, 215) }
```

Border

The CSS property to change the border of an element to Yxy 17.1940, 0.2236, 0.1598 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(119, 96, 215) }
```

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

```
.border{ border-color:rgb(119, 96, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 96, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 96, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 96, 215);  
box-shadow:4px 4px 4px 4px rgb(119, 96,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1940, 0.2236, 0.1598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 96, 215) }
```

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

```
.background{ background-color: rgb(119, 96,  
215) }
```

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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