

Converting Colors

$Y_{xy}(17.0107, 0.2032, 0.1410)$

Have a look what the booklet for
Yxy(17.0107, 0.2032, 0.1410)
contains.

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Color

Yxy(17.0107, 0.2032, 0.1410)

Conversions

Conversions Part 1

Format	Color
Hex	685FE9
RGB	104, 95, 233
RGB Percent	41%, 37%, 91%
CMY	0.5921, 0.6275, 0.0861
CMYK	0.55, 0.59, 0.00, 0.09
HSL	244°, 76%, 64%
HSV	244°, 59%, 91%
XYZ	24.5147, 17.0107, 79.1179
YIQ	113.4230, -38.9340, 44.8260

Conversions

Conversions Part 2

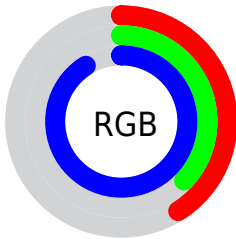
Format	Color
R_{YB}	104, 95, 233
Decimal	6840297
CIE _{Lab}	48.27, 41.23, -68.99
CIE _{LCh}	48, 80.371, 300.865
Yxy	17.0107, 0.2032, 0.1410
Android (android.graphics.Color)	4285030377 (0xFF685FE9)
YUV	113.4230, 58.9515, -8.2640
Hunter-Lab	41.2440, 33.9201, -84.8644

Details

The Yxy color **17.0107, 0.2032, 0.1410** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **74.9825, 0.3898, 0.4717**, and the grayscale version is **16.4754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6703, 0.2445, 0.1998**, and **5.5556, 0.1674, 0.0980** is the 20% darker color. If you saturate the color by 10%, you get **12.2834, 0.1844, 0.1105**, and if you desaturate by 10%, it is **23.3308, 0.2237, 0.1752**.

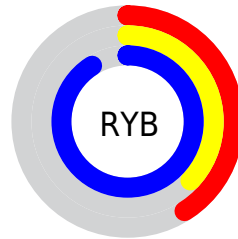
Distribution



Red (41%)

Green (37%)

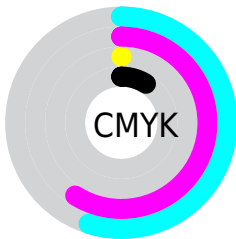
Blue (91%)



Red (41%)

Yellow (37%)

Blue (91%)

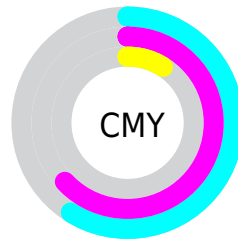


Cyan (55%)

Magenta (59%)

Yellow (0%)

Black (9%)



Cyan (59%)


Magenta (63%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0107, 0.2032, 0.1410 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 17.0107, 0.2032, 0.1410 by changing the saturation by 10% instead.


 17.0107, 0.2032,
0.1410


 17.0107, 0.2032,
0.1410


235.2340, 0.2639,
0.2318


 10.2421, 0.1874,
0.1211


 38.3442, 0.2261,
0.1723


 5.5598, 0.1672,
0.0978


 53.6779, 0.2345,
0.1846

 2.5793, 0.1413,
0.0710

 72.6354, 0.2415,
0.1953

 0.9163, 0.1082,
0.0420

 95.6011, 0.2474,
0.2045

 0.0000, 0.0688,
0.0000

122.9594, 0.2525,
0.2126

 0.0000, 0.0000,
0.0000

155.0948, 0.2568,

0.2198

192.3915, 0.2606,
0.2262

■ 17.0107, 0.2032,
0.1410

■ 17.0107, 0.2032,
0.1410

■ 12.2834, 0.1844,
0.1105

■ 23.3308, 0.2237,
0.1752

■ 9.0052, 0.1690,
0.0861

■ 31.3675, 0.2446,
0.2104

■ 7.0090, 0.1580,
0.0697


■ 41.2341, 0.2645,
0.2446


■ 6.0424, 0.1519,
0.0613

■ 53.0336, 0.2829,
0.2765

■ 5.9895, 0.1516,
0.0609

■ 66.8615, 0.2993,
0.3053

 82.8070, 0.3137,
0.3308

 98.6660, 0.3256,
0.3502

Harmonies

Analogous

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



17.0107, 0.1275, 0.1324



17.0107, 0.2032, 0.1410



17.0107, 0.3361, 0.1796

Triad

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



17.0107, 0.2032, 0.1410



17.0107, 0.5728, 0.4055



17.0107, 0.1380, 0.4057

Complementary

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



17.0107, 0.2032, 0.1410



74.9825, 0.3898, 0.4717

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.



17.0107, 0.2340, 0.5916



17.0107, 0.2032, 0.1410



17.0107, 0.4811, 0.5129

Square

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



17.0107, 0.2032, 0.1410



17.0107, 0.5933, 0.3203



17.0107, 0.3564, 0.6080



17.0107, 0.0955, 0.2372

Rectangle

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



17.0107, 0.2032, 0.1410



17.0107, 0.4463, 0.2206



17.0107, 0.3564, 0.6080



17.0107, 0.1645, 0.4763

Sweetspot

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



17.0112, 0.2032, 0.1410



66.8819, 0.2849, 0.2800



62.7897, 0.2378, 0.3200



13.3376, 0.2798, 0.2711



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.



17.0112, 0.2032, 0.1410



14.0790, 0.1809, 0.1047



22.7166, 0.2580, 0.1647



14.5959, 0.2990, 0.3047



3.4152, 0.1521, 0.0611



0.2847, 0.1576, 0.0642

Inverse Universe

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



30.8967, 0.3283, 0.1982



32.6321, 0.3316, 0.1807



66.3106, 0.3402, 0.4997



15.2958, 0.3148, 0.3073



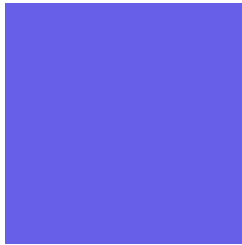
12.7026, 0.3380, 0.1636



1.0026, 0.3354, 0.1621

Previews

White Background



This preview shows how the Yxy color 17.0107, 0.2032, 0.1410 looks on a white background.

Color Contrast Check

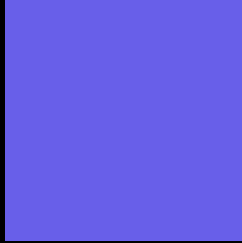
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0107, 0.2032, 0.1410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

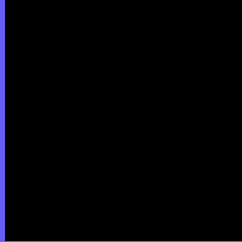
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0107, 0.2032, 0.1410

Background



This preview shows how black text looks on a background with the Yxy color 17.0107, 0.2032, 0.1410.



This preview shows how white text looks on a background with the Yxy color 17.0107, 0.2032, 0.1410.

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

17.0107, 0.2032, 0.1410

Protanopia

17.0924, 0.1737, 0.1454

Deuteranopia

16.9868, 0.1845, 0.1841



Tritanopia

17.0527, 0.2458, 0.3075

Trichromacy



Original Color

17.0107, 0.2032, 0.1410



Protanomaly

16.4557, 0.1768, 0.1405



Deuteranomaly

16.1534, 0.1836, 0.1623



Tritanomaly

16.3803, 0.2256, 0.2257

Monochromacy



Original Color

17.0107, 0.2032, 0.1410



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

16.0574, 0.2606, 0.2369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0107, 0.2032, 0.1410 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(104, 95, 233)` looks like.

```
.text, #text, p{  
    color:rgb(104, 95, 233)  
}
```

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(104, 95, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 95, 233) }
```

Border

The CSS property to change the border of an element to Yxy 17.0107, 0.2032, 0.1410 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(104, 95, 233) }
```

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

```
.border{ border-color:rgb(104, 95, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 95, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 95, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 95, 233);  
box-shadow:4px 4px 4px 4px rgb(104, 95,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0107, 0.2032, 0.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 95, 233) }
```

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

```
.background{ background-color: rgb(104, 95,  
233) }
```

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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