

Converting Colors

$Y_{xy}(17.7673, 0.2068, 0.1410)$

Have a look what the booklet for
Yxy(17.7673, 0.2068, 0.1410)
contains.

Yxy(17.7436, 0.2069, 0.1408)	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(17.7436, 0.2069, 0.1408)

Conversions

Conversions Part 1

Format	Color
Hex	705FED
RGB	112, 95, 237
RGB Percent	44%, 37%, 93%
CMY	0.5604, 0.6276, 0.0704
CMYK	0.53, 0.60, 0.00, 0.07
HSL	247°, 80%, 65%
HSV	247°, 60%, 93%
XYZ	26.0735, 17.7436, 82.2028
YIQ	116.2710, -35.4500, 47.7660

Conversions

Conversions Part 2

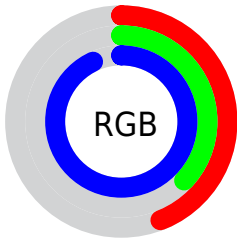
Format	Color
R_{YB}	112, 95, 237
Decimal	7364589
CIE _{Lab}	49.18, 43.92, -69.73
CIE _{LCh}	49, 82.404, 302.204
Yxy	17.7436, 0.2069, 0.1408
Android (android.graphics.Color)	4285554669 (0xFF705FED)
YUV	116.2710, 59.5194, -3.7457
Hunter-Lab	42.1232, 36.7729, -86.2174

Details

The Yxy color **17.7436, 0.2069, 0.1408** 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 **76.6182, 0.3846, 0.4765**, and the grayscale version is **17.3767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5484, 0.2503, 0.2017**, and **5.8638, 0.1718, 0.0978** is the 20% darker color. If you saturate the color by 10%, you get **12.8922, 0.1883, 0.1109**, and if you desaturate by 10%, it is **24.2111, 0.2269, 0.1743**.

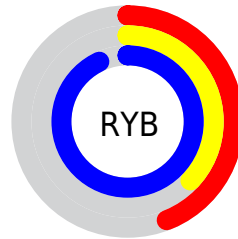
Distribution



Red (44%)

Green (37%)

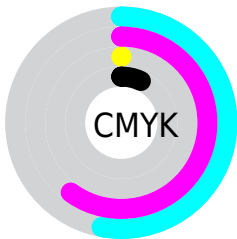
Blue (93%)



Red (44%)

Yellow (37%)

Blue (93%)

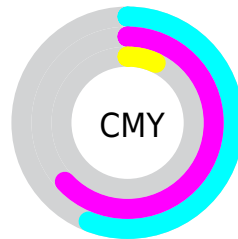


Cyan (53%)

Magenta (60%)

Yellow (0%)

Black (7%)



Cyan (56%)

Magenta (63%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7436, 0.2069, 0.1408 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 17.7436, 0.2069, 0.1408 by changing the saturation by 10% instead.

■ 17.7436, 0.2069,
0.1408

■ 17.7436, 0.2069,
0.1408

■ 239.4219, 0.2656,
0.2309

■ 10.7661, 0.1916,
0.1213

■ 39.5999, 0.2290,
0.1716

■ 5.9098, 0.1722,
0.0984

■ 55.2475, 0.2371,
0.1838

■ 2.7903, 0.1472,
0.0722

■ 74.5539, 0.2438,
0.1944

■ 1.0232, 0.1150,
0.0437

■ 97.9035, 0.2496,
0.2036

■ 0.0000, 0.0765,
0.0000

■ 125.6807, 0.2545,
0.2117

■ 0.0000, 0.0000,
0.0000

158.2699, 0.2587,

0.2188

196.0555, 0.2623,
0.2252

■ 17.7436, 0.2069,
0.1408

■ 17.7436, 0.2069,
0.1408

■ 12.8922, 0.1883,
0.1109

■ 24.2111, 0.2269,
0.1743

■ 9.5111, 0.1726,
0.0869

■ 32.4200, 0.2469,
0.2090

■ 7.4306, 0.1610,
0.0707

■ 42.4849, 0.2660,
0.2429

■ 6.3769, 0.1537,
0.0621

■ 54.5102, 0.2835,
0.2746

■ 6.3722, 0.1537,
0.0620

■ 68.5926, 0.2991,
0.3035

■ 84.8222, 0.3128,
0.3291

■ 98.8969, 0.3232,
0.3463

Harmonies

Analogous

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



17.7436, 0.1285, 0.1308



17.7436, 0.2069, 0.1408



17.7436, 0.3434, 0.1808

Triad

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



17.7436, 0.2069, 0.1408



17.7436, 0.5715, 0.4093



17.7436, 0.1333, 0.3969

Complementary

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



17.7436, 0.2069, 0.1408



76.6182, 0.3846, 0.4765

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.



17.7436, 0.2276, 0.5895



17.7436, 0.2069, 0.1408



17.7436, 0.4764, 0.5186

Square

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



17.7436, 0.2069, 0.1408



17.7436, 0.5973, 0.3232



17.7436, 0.3501, 0.6134



17.7436, 0.0932, 0.2308

Rectangle

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



17.7436, 0.2069, 0.1408



17.7436, 0.4550, 0.2227



17.7436, 0.3501, 0.6134



17.7436, 0.1590, 0.4685

Sweetspot

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



17.7441, 0.2069, 0.1408



67.2621, 0.2866, 0.2802



59.9780, 0.2344, 0.3075



13.4283, 0.2818, 0.2714



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.



17.7441, 0.2069, 0.1408



14.1333, 0.1844, 0.1046



24.3084, 0.2660, 0.1666



14.6359, 0.2998, 0.3048



3.5070, 0.1545, 0.0625



0.3038, 0.1638, 0.0676

Inverse Universe

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



31.3501, 0.3367, 0.2033



31.6923, 0.3425, 0.1865



67.8471, 0.3340, 0.5055



15.2807, 0.3156, 0.3085



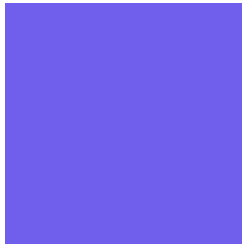
12.3403, 0.3538, 0.1723



0.9778, 0.3486, 0.1694

Previews

White Background



This preview shows how the Yxy color 17.7436, 0.2069, 0.1408 looks on a white background.

Color Contrast Check

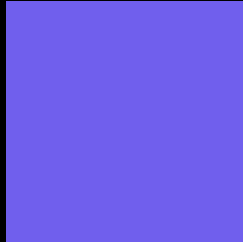
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7436, 0.2069, 0.1408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

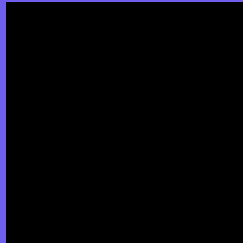
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7436, 0.2069, 0.1408

Background



This preview shows how black text looks on a background with the Yxy color 17.7436, 0.2069, 0.1408.



This preview shows how white text looks on a background with the Yxy color 17.7436, 0.2069, 0.1408.

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

17.7436, 0.2069, 0.1408

Protanopia

17.7614, 0.1737, 0.1454

Deuteranopia

17.6986, 0.1840, 0.1823



Tritanopia

17.7562, 0.2543, 0.3082

Trichromacy



Original Color

17.7436, 0.2069, 0.1408



Protanomaly

16.9525, 0.1770, 0.1395



Deuteranomaly

16.6852, 0.1834, 0.1599



Tritanomaly

16.9242, 0.2321, 0.2248

Monochromacy



Original Color

17.7436, 0.2069, 0.1408



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.9080, 0.2637, 0.2374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7436, 0.2069, 0.1408 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(112, 95, 237)` looks like.

```
.text, #text, p{  
    color:rgb(112, 95, 237)  
}
```

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(112, 95, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 95, 237) }
```

Border

The CSS property to change the border of an element to Yxy 17.7436, 0.2069, 0.1408 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(112, 95, 237) }
```

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

```
.border{ border-color:rgb(112, 95, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 95, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 95, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 95, 237);  
box-shadow:4px 4px 4px 4px rgb(112, 95,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7436, 0.2069, 0.1408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 95, 237) }
```

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

```
.background{ background-color: rgb(112, 95,  
237) }
```

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