

Converting Colors

$Y_{xy}(19.3427, 0.1876, 0.1085)$

Have a look what the booklet for
Yxy(19.3427, 0.1876, 0.1085)
contains.

| | |
|--|----|
| Yxy(17.1617, 0.1976, 0.1212) | 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(17.1617, 0.1976, 0.1212)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7055FF |
| RGB | 112, 85, 255 |
| RGB Percent | 44%, 33%, 100% |
| CMY | 0.5609, 0.6666, 0.0000 |
| CMYK | 0.56, 0.67, 0.00, 0.00 |
| HSL | 250°, 100%, 67% |
| HSV | 250°, 67%, 100% |
| XYZ | 27.9798, 17.1617, 96.4567 |
| YIQ | 112.4530, -38.4780, 58.5940 |

Conversions

Conversions Part 2

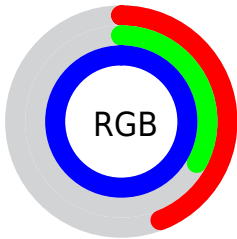
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 112, 85, 255 |
| Decimal | 7362047 |
| CIE Lab | 48.46, 54.75, -80.94 |
| CIE LCh | 48, 97.720, 304.078 |
| Yxy | 17.1617, 0.1976, 0.1212 |
| Android (android.graphics.Color) | 4285552127 (0xFF7055FF) |
| YUV | 112.4530, 70.2757, -0.3973 |
| Hunter-Lab | 41.4267, 48.0632, -109.0504 |

Details

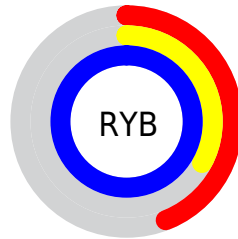
The Yxy color **17.1617, 0.1976, 0.1212** is a light color, and the websafe version is hex **6666FF**. The color can be described as light muted purple. A complement of this color would be **88.6738, 0.3853, 0.4923**, and the grayscale version is **16.1404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2253, 0.2513, 0.1925**, and **5.6503, 0.1620, 0.0803** is the 20% darker color. If you saturate the color by 10%, you get **12.6003, 0.1807, 0.0952**, and if you desaturate by 10%, it is **23.5031, 0.2166, 0.1523**.

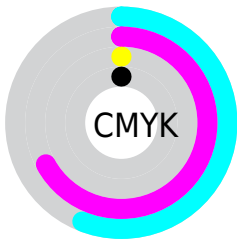
Distribution



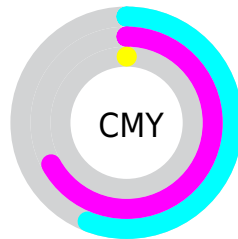
- Red (44%)
- Green (33%)
- Blue (100%)



- Red (44%)
- Yellow (33%)
- Blue (100%)



- Cyan (56%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1617, 0.1976, 0.1212 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 17.1617, 0.1976, 0.1212 by changing the saturation by 10% instead.


 17.1617, 0.1976,
0.1212

 17.1617, 0.1976,
0.1212


236.1025, 0.2609,
0.2165

 10.3498, 0.1817,
0.1019


 38.6036, 0.2210,
0.1527

 5.6315, 0.1619,
0.0801


 54.0024, 0.2298,
0.1656


 2.6223, 0.1370,
0.0562


 73.0323, 0.2371,
0.1768

 0.9379, 0.1061,
0.0318

 96.0778, 0.2433,
0.1867

 0.0000, 0.0703,
0.0000

 123.5231, 0.2487,
0.1955

 0.0000, 0.0128,
0.0000

155.7528, 0.2533,

 0.0000, 0.0000,

0.2033

0.0000

193.1511, 0.2573,
0.2102

■ 17.1617, 0.1976,
0.1212

■ 17.1617, 0.1976,
0.1212

■ 12.6003, 0.1807,
0.0952

■ 23.5031, 0.2166,
0.1523

■ 9.6323, 0.1672,
0.0764

■ 31.7872, 0.2363,
0.1862

■ 8.0238, 0.1579,
0.0655

■ 42.1565, 0.2556,
0.2205

■ 7.6805, 0.1556,
0.0631

■ 54.7406, 0.2736,
0.2536

■ 69.6584, 0.2899,
0.2843

87.0202, 0.3042,
0.3122

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



17.1617, 0.1110, 0.1084



17.1617, 0.1976, 0.1212



17.1617, 0.3579, 0.1651

Triad

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



17.1617, 0.1976, 0.1212



17.1617, 0.5934, 0.4066



17.1617, 0.1013, 0.3897

Complementary

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



17.1617, 0.1976, 0.1212



88.6738, 0.3853, 0.4923

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.



17.1617, 0.1950, 0.6419



17.1617, 0.1976, 0.1212



17.1617, 0.4683, 0.5317

Square

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



17.1617, 0.1976, 0.1212



17.1617, 0.6418, 0.3136



17.1617, 0.3274, 0.6655



17.1617, 0.0682, 0.2016

Rectangle

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



17.1617, 0.1976, 0.1212



17.1617, 0.4921, 0.2105



17.1617, 0.3274, 0.6655



17.1617, 0.1256, 0.4808

Sweetspot

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



17.1613, 0.1976, 0.1212



64.4166, 0.2846, 0.2744



65.4677, 0.2270, 0.2975



12.8868, 0.2801, 0.2658



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.



17.1613, 0.1976, 0.1212



11.4436, 0.1758, 0.0881



25.3868, 0.2638, 0.1525



17.5161, 0.3003, 0.3046



4.0539, 0.1566, 0.0636



0.4326, 0.1654, 0.0685

Inverse Universe

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



33.3605, 0.3469, 0.1978



28.9353, 0.3551, 0.1845



78.1507, 0.3305, 0.5272



18.2479, 0.3162, 0.3092



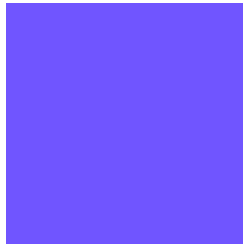
13.6785, 0.3657, 0.1788



1.3445, 0.3597, 0.1755

Previews

White Background



This preview shows how the Yxy color 17.1617, 0.1976, 0.1212 looks on a white background.

Color Contrast Check

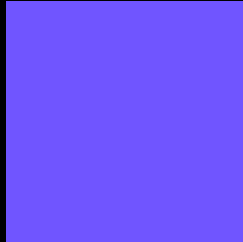
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1617, 0.1976, 0.1212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

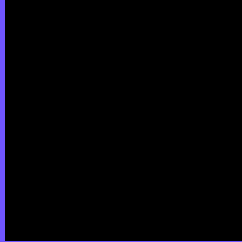
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.1617, 0.1976, 0.1212

Background



This preview shows how black text looks on a background with the Yxy color 17.1617, 0.1976, 0.1212.



This preview shows how white text looks on a background with the Yxy color 17.1617, 0.1976, 0.1212.

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

17.1617, 0.1976, 0.1212

Protanopia

17.0351, 0.1739, 0.1461

Deuteranopia

16.9396, 0.1848, 0.1852



Tritanopia

17.0176, 0.2451, 0.3075

Trichromacy



Original Color

17.1617, 0.1976, 0.1212



Protanomaly

16.1297, 0.1747, 0.1314



Deuteranomaly

15.7950, 0.1807, 0.1500



Tritanomaly

15.9506, 0.2213, 0.2080

Monochromacy



Original Color

17.1617, 0.1976, 0.1212



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.6278, 0.2556, 0.2203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1617, 0.1976, 0.1212 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, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 85, 255)  
}
```

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, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 85, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.1617, 0.1976, 0.1212 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, 85, 255) }
```

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

```
.border{ border-color:rgb(112, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 85,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1617, 0.1976, 0.1212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 85, 255) }
```

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

```
.background{ background-color: rgb(112, 85,  
255) }
```

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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