

Converting Colors

$Y_{xy}(17.6546, 0.2126, 0.1293)$

Have a look what the booklet for
Yxy(17.6546, 0.2126, 0.1293)
contains.

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Color

Yxy(17.5690, 0.2122, 0.1288)

Conversions

Conversions Part 1

Format	Color
Hex	8153F7
RGB	129, 83, 247
RGB Percent	51%, 33%, 97%
CMY	0.4939, 0.6747, 0.0312
CMYK	0.48, 0.66, 0.00, 0.03
HSL	257°, 91%, 65%
HSV	257°, 66%, 97%
XYZ	28.9452, 17.5690, 89.8911
YIQ	115.4500, -25.2280, 60.7560

Conversions

Conversions Part 2

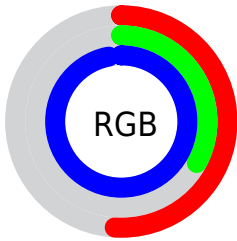
Format	Color
RYB	129, 83, 247
Decimal	8475639
CIELab	48.97, 56.36, -75.61
CIELCh	49, 94.298, 306.700
Yxy	17.5690, 0.2122, 0.1288
Android (android.graphics.Color)	4286665719 (0xFF8153F7)
YUV	115.4500, 64.8542, 11.8833
Hunter-Lab	41.9154, 49.9135, -97.8116

Details

The Yxy color **17.5690, 0.2122, 0.1288** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **79.5777, 0.3707, 0.5008**, and the grayscale version is **17.0921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3668, 0.2621, 0.1943**, and **5.8310, 0.1791, 0.0879** is the 20% darker color. If you saturate the color by 10%, you get **13.1682, 0.1956, 0.1034**, and if you desaturate by 10%, it is **23.5583, 0.2298, 0.1587**.

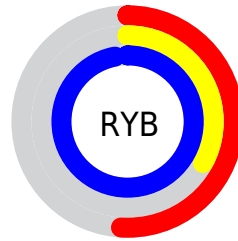
Distribution



Red (51%)

Green (33%)

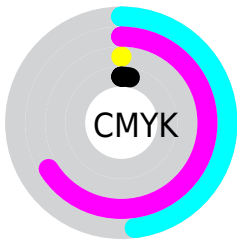
Blue (97%)



Red (51%)

Yellow (33%)

Blue (97%)

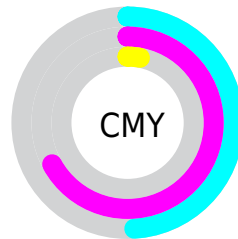


Cyan (48%)

Magenta (66%)

Yellow (0%)

Black (3%)



Cyan (49%)


Magenta (67%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5690, 0.2122, 0.1288 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 17.5690, 0.2122, 0.1288 by changing the saturation by 10% instead.


 17.5690, 0.2122,
0.1288


 17.5690, 0.2122,
0.1288


238.4304, 0.2686,
0.2217


 10.6410, 0.1975,
0.1095


 39.3015, 0.2335,
0.1599


 5.8260, 0.1788,
0.0875


 54.8748, 0.2413,
0.1724

 2.7396, 0.1547,
0.0628


 74.0987, 0.2478,
0.1833

 0.9973, 0.1238,
0.0368

 97.3576, 0.2533,
0.1929

 0.0000, 0.0864,
0.0000

 125.0357, 0.2580,
0.2014

 0.0000, 0.0258,
0.0000

157.5177, 0.2620,

 0.0000, 0.0000,

0.2089

0.0000

195.1878, 0.2656,
0.2156

■ 17.5690, 0.2122,
0.1288

■ 17.5690, 0.2122,
0.1288

■ 13.1682, 0.1956,
0.1034

■ 23.5583, 0.2298,
0.1587

■ 10.1912, 0.1812,
0.0843

■ 31.2746, 0.2475,
0.1910

■ 8.4367, 0.1698,
0.0722


■ 40.8429, 0.2644,
0.2239

■ 7.9977, 0.1664,
0.0690

■ 52.3758, 0.2799,
0.2557

■ 65.9768, 0.2937,
0.2856

 81.7422, 0.3058,
0.3129

 99.1955, 0.3163,
0.3366

 99.4977, 0.3173,
0.3366

Harmonies

Analogous

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



17.5690, 0.1212, 0.1136



17.5690, 0.2122, 0.1288



17.5690, 0.3735, 0.1751

Triad

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



17.5690, 0.2122, 0.1288



17.5690, 0.5804, 0.4196



17.5690, 0.1029, 0.3673

Complementary

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



17.5690, 0.2122, 0.1288



79.5777, 0.3707, 0.5008

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.



17.5690, 0.1914, 0.6111



17.5690, 0.2122, 0.1288



17.5690, 0.4573, 0.5427

Square

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



17.5690, 0.2122, 0.1288



17.5690, 0.6320, 0.3246



17.5690, 0.3188, 0.6581



17.5690, 0.0730, 0.1973

Rectangle

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



17.5690, 0.2122, 0.1288



17.5690, 0.5014, 0.2211



17.5690, 0.3188, 0.6581



17.5690, 0.1255, 0.4512

Sweetspot

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



17.5695, 0.2122, 0.1288



65.3618, 0.2889, 0.2751



51.4007, 0.2211, 0.2721



13.1097, 0.2850, 0.2666



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.



17.5695, 0.2122, 0.1288



12.7954, 0.1900, 0.0955



26.4173, 0.2825, 0.1618



16.1521, 0.3023, 0.3048



4.2895, 0.1679, 0.0698



0.4266, 0.1806, 0.0769

Inverse Universe

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



30.1756, 0.3701, 0.2148



27.6905, 0.3864, 0.2035



71.2509, 0.3198, 0.5330



16.6842, 0.3181, 0.3121



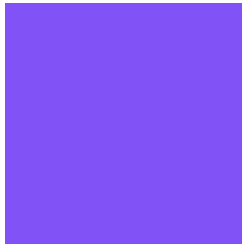
12.1750, 0.4075, 0.2019



1.0876, 0.3941, 0.1945

Previews

White Background



This preview shows how the Yxy color 17.5690, 0.2122, 0.1288 looks on a white background.

Color Contrast Check

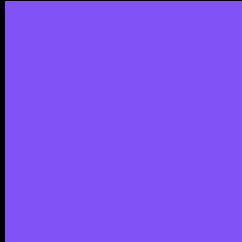
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5690, 0.2122, 0.1288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

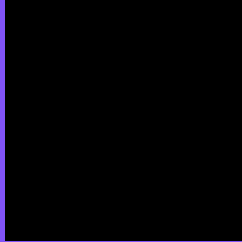
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5690, 0.2122, 0.1288

Background



This preview shows how black text looks on a background with the Yxy color 17.5690, 0.2122, 0.1288.



This preview shows how white text looks on a background with the Yxy color 17.5690, 0.2122, 0.1288.

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

17.5690, 0.2122, 0.1288

Protanopia

17.7028, 0.1739, 0.1461

Deuteranopia

17.6014, 0.1846, 0.1844



Tritanopia

17.5593, 0.2762, 0.3108

Trichromacy



Original Color

17.5690, 0.2122, 0.1288



Protanomaly

16.2626, 0.1762, 0.1320



Deuteranomaly

16.0797, 0.1831, 0.1530



Tritanomaly

16.7452, 0.2468, 0.2174

Monochromacy



Original Color

17.5690, 0.2122, 0.1288



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.3379, 0.2655, 0.2259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5690, 0.2122, 0.1288 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(129, 83, 247)` looks like.

```
.text, #text, p{  
    color:rgb(129, 83, 247)  
}
```

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(129, 83, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 83, 247) }
```

Border

The CSS property to change the border of an element to Yxy 17.5690, 0.2122, 0.1288 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(129, 83, 247) }
```

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

```
.border{ border-color:rgb(129, 83, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 83, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 83, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 83, 247);  
box-shadow:4px 4px 4px 4px rgb(129, 83,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5690, 0.2122, 0.1288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 83, 247) }
```

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

```
.background{ background-color: rgb(129, 83,  
247) }
```

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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