

Converting Colors

$Y_{xy}(17.4575, 0.2453, 0.1161)$

Have a look what the booklet for
Yxy(17.4575, 0.2453, 0.1161)
contains.

Yxy(17.4990, 0.2457, 0.1163)	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(17.4990, 0.2457, 0.1163)

Conversions

Conversions Part 1

Format	Color
Hex	B319FF
RGB	179, 25, 255
RGB Percent	70%, 10%, 100%
CMY	0.2983, 0.9009, 0.0002
CMYK	0.30, 0.90, 0.00, 0.00
HSL	280°, 100%, 55%
HSV	280°, 90%, 100%
XYZ	36.9691, 17.4990, 95.9962
YIQ	97.2660, 17.9540, 104.1780

Conversions

Conversions Part 2

Format	Color
R _Y B	179, 25, 255
Decimal	11737599
CIE Lab	48.88, 85.31, -79.91
CIE LCh	49, 116.893, 316.873
Yxy	17.4990, 0.2457, 0.1163
Android (android.graphics.Color)	4289927679 (0xFFB319FF)
YUV	97.2660, 77.7629, 71.6807
Hunter-Lab	41.8318, 84.5447, -106.7773

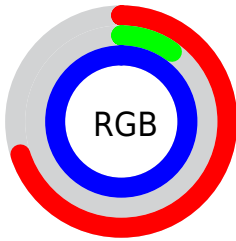
Details

The Yxy color **17.4990, 0.2457, 0.1163** is a light color, and the websafe version is hex **CC00FF**.

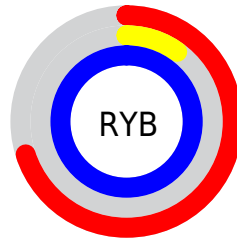
The color can be described as light washed purple. A complement of this color would be **74.3454, 0.3209, 0.5773**, and the grayscale version is **11.8611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8445, 0.3064, 0.1816**, and **7.8828, 0.2226, 0.1000** is the 20% darker color. If you saturate the color by 10%, you get **15.8255, 0.2374, 0.1081**, and if you desaturate by 10%, it is **20.1765, 0.2546, 0.1291**.

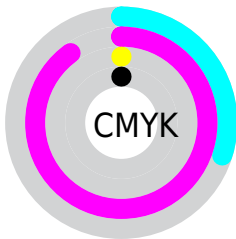
Distribution



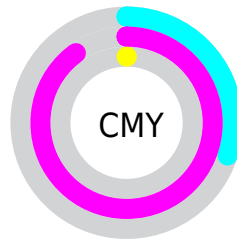
- Red (70%)
- Green (10%)
- Blue (100%)



- Red (70%)
- Yellow (10%)
- Blue (100%)



- Cyan (30%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4990, 0.2457, 0.1163 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 17.4990, 0.2457, 0.1163 by changing the saturation by 10% instead.


 17.4990, 0.2457,
0.1163


 17.4990, 0.2457,
0.1163


238.0318, 0.2869,
0.2105


 10.5909, 0.2341,
0.0978


 39.1818, 0.2619,
0.1469


 5.7925, 0.2190,
0.0770


 54.7252, 0.2677,
0.1595


 2.7193, 0.1988,
0.0543


 73.9159, 0.2724,
0.1706

 0.9870, 0.1717,
0.0312

 97.1382, 0.2763,
0.1805

 0.0000, 0.1368,
0.0000

 124.7766, 0.2796,
0.1892

 0.0000, 0.0889,
0.0000

 157.2154, 0.2825,

 0.0000, 0.0000,

0.1971

0.0000

194.8390, 0.2849,
0.2041

■ 17.4990, 0.2457,
0.1163

■ 17.4990, 0.2457,
0.1163

■ 15.8255, 0.2374,
0.1081

■ 20.1765, 0.2546,
0.1291

■ 24.1335, 0.2637,
0.1468

■ 29.5465, 0.2727,
0.1688

■ 36.5631, 0.2814,
0.1941

■ 45.3124, 0.2894,
0.2213

■ 55.9100, 0.2965,
0.2493

■ 68.4614, 0.3028,
0.2770

■ 83.0641, 0.3082,
0.3037

99.8088, 0.3127,
0.3288

Harmonies

Analogous

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



17.4990, 0.1213, 0.0905



17.4990, 0.2457, 0.1163



17.4990, 0.4637, 0.1751

Triad

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



17.4990, 0.2457, 0.1163



17.4990, 0.5551, 0.4449



17.4990, 0.0568, 0.2766

Complementary

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



17.4990, 0.2457, 0.1163



74.3454, 0.3209, 0.5773

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.



17.4990, 0.1179, 0.5948



17.4990, 0.2457, 0.1163



17.4990, 0.3920, 0.6080

Square

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



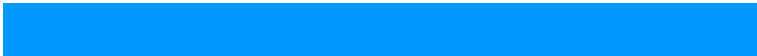
17.4990, 0.2457, 0.1163



17.4990, 0.6689, 0.3311



17.4990, 0.2387, 0.7482



17.4990, 0.0474, 0.1368

Rectangle

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



17.4990, 0.2457, 0.1163



17.4990, 0.6089, 0.2261



17.4990, 0.2387, 0.7482



17.4990, 0.0694, 0.3649

Sweetspot

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



17.4996, 0.2457, 0.1163



59.5920, 0.2986, 0.2579



16.8984, 0.1696, 0.1236



11.8903, 0.2963, 0.2484



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.



17.4996, 0.2457, 0.1163



15.8322, 0.2374, 0.1081



26.9512, 0.3633, 0.1811



17.9815, 0.3085, 0.3052



8.3575, 0.2387, 0.1089



0.8733, 0.2482, 0.1141

Inverse Universe

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



22.9040, 0.5402, 0.2816



21.9065, 0.5699, 0.2913



72.0650, 0.2945, 0.5725



18.0862, 0.3242, 0.3212



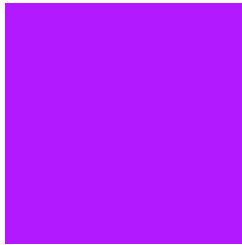
11.4711, 0.5656, 0.2889



1.1361, 0.5337, 0.2714

Previews

White Background



This preview shows how the Yxy color 17.4990, 0.2457, 0.1163 looks on a white background.

Color Contrast Check

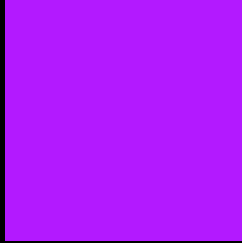
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4990, 0.2457, 0.1163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

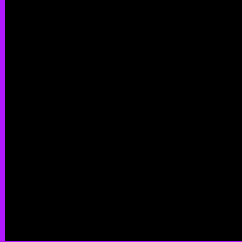
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.4990, 0.2457, 0.1163

Background



This preview shows how black text looks on a background with the Yxy color 17.4990, 0.2457, 0.1163.



This preview shows how white text looks on a background with the Yxy color 17.4990, 0.2457, 0.1163.

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

17.4990, 0.2457, 0.1163

Protanopia

17.9247, 0.1743, 0.1474

Deuteranopia

17.6499, 0.1843, 0.1834



Tritanopia

17.4769, 0.3785, 0.3174

Trichromacy



Original Color

17.4990, 0.2457, 0.1163



Protanomaly

13.5403, 0.1757, 0.1109



Deuteranomaly

13.0026, 0.1817, 0.1251



Tritanomaly

15.2927, 0.3200, 0.2033

Monochromacy



Original Color

17.4990, 0.2457, 0.1163



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.3516, 0.2803, 0.1890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4990, 0.2457, 0.1163 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(179, 25, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 25, 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(179, 25, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 25, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.4990, 0.2457, 0.1163 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(179, 25, 255) }
```

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

```
.border{ border-color:rgb(179, 25, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 25, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 25, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 25, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 25,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4990, 0.2457, 0.1163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 25, 255) }
```

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

```
.background{ background-color: rgb(179, 25,  
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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