

Converting Colors

$Yxy(17.5044, 0.2493, 0.1158)$

Have a look what the booklet for
Yxy(17.5044, 0.2493, 0.1158)
contains.

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Color

Yxy(17.5044, 0.2493, 0.1158)

Conversions

Conversions Part 1

Format	Color
Hex	B70AFF
RGB	183, 10, 255
RGB Percent	72%, 4%, 100%
CMY	0.2823, 0.9606, 0.0001
CMYK	0.28, 0.96, 0.00, 0.00
HSL	282°, 100%, 52%
HSV	282°, 96%, 100%
XYZ	37.6843, 17.5044, 95.9719
YIQ	89.6570, 24.4630, 112.8710

Conversions

Conversions Part 2

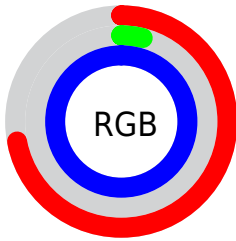
Format	Color
R _Y B	183, 10, 255
Decimal	11995903
CIE Lab	48.89, 87.62, -79.88
CIE LCh	49, 118.571, 317.646
Yxy	17.5044, 0.2493, 0.1158
Android (android.graphics.Color)	4290185983 (0xFFB70AFF)
YUV	89.6570, 81.5141, 81.8618
Hunter-Lab	41.8383, 87.5606, -106.7173

Details

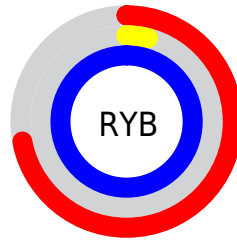
The Yxy color **17.5044, 0.2493, 0.1158** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **73.3152, 0.3144, 0.5867**, and the grayscale version is **9.9627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8169, 0.3102, 0.1806**, and **8.1688, 0.2271, 0.1025** is the 20% darker color. If you saturate the color by 10%, you get **16.9282, 0.2463, 0.1131**, and if you desaturate by 10%, it is **19.4648, 0.2570, 0.1250**.

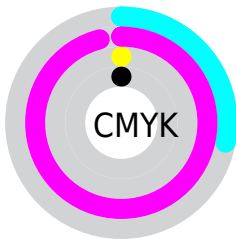
Distribution



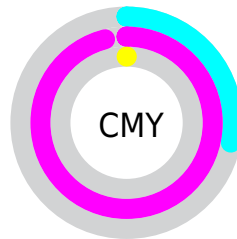
- Red (72%)
- Green (4%)
- Blue (100%)



- Red (72%)
- Yellow (4%)
- Blue (100%)



- Cyan (28%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (96%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5044, 0.2493, 0.1158 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 17.5044, 0.2493, 0.1158 by changing the saturation by 10% instead.


 17.5044, 0.2493,
0.1158


 17.5044, 0.2493,
0.1158


238.0626, 0.2889,
0.2099


 10.5948, 0.2381,
0.0973


 39.1910, 0.2649,
0.1464


 5.7951, 0.2233,
0.0766


 54.7368, 0.2705,
0.1590


 2.7209, 0.2036,
0.0540


 73.9300, 0.2750,
0.1701

 0.9878, 0.1769,
0.0310

 97.1552, 0.2788,
0.1799

 0.0000, 0.1425,
0.0000

 124.7966, 0.2819,
0.1887

 0.0000, 0.0943,
0.0000

 157.2387, 0.2846,

 0.0000, 0.0000,

0.1965

0.0000

194.8659, 0.2869,
0.2036

■ 17.5044, 0.2493,
0.1158

■ 17.5044, 0.2493,
0.1158

■ 16.9282, 0.2463,
0.1131

■ 19.4648, 0.2570,
0.1250

■ 22.5656, 0.2651,
0.1391

■ 27.0092, 0.2732,
0.1579

■ 32.9582, 0.2810,
0.1806

■ 40.5515, 0.2884,
0.2062

■ 49.9122, 0.2951,
0.2333

■ 61.1510, 0.3010,
0.2609

■ 74.3698, 0.3061,
0.2881

■ 89.6630, 0.3105,
0.3140

Harmonies

Analogous

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



17.5044, 0.1219, 0.0892



17.5044, 0.2493, 0.1158



17.5044, 0.4717, 0.1755

Triad

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



17.5044, 0.2493, 0.1158



17.5044, 0.5522, 0.4478



17.5044, 0.0542, 0.2693

Complementary

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



17.5044, 0.2493, 0.1158



73.3152, 0.3144, 0.5867

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.



17.5044, 0.1128, 0.5901



17.5044, 0.2493, 0.1158



17.5044, 0.3862, 0.6138

Square

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



17.5044, 0.2493, 0.1158



17.5044, 0.6688, 0.3312



17.5044, 0.2322, 0.7545



17.5044, 0.0461, 0.1330

Rectangle

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



17.5044, 0.2493, 0.1158



17.5044, 0.6170, 0.2266



17.5044, 0.2322, 0.7545



17.5044, 0.0661, 0.3568

Sweetspot

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



17.5050, 0.2493, 0.1158



57.6578, 0.2994, 0.2528



13.5506, 0.1627, 0.1035



11.3164, 0.2968, 0.2410



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.



17.5050, 0.2493, 0.1158



16.9331, 0.2463, 0.1131



25.9275, 0.3775, 0.1865



18.0167, 0.3091, 0.3052



8.9286, 0.2476, 0.1137



0.9257, 0.2561, 0.1185

Inverse Universe

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



22.0814, 0.5720, 0.2947



21.7669, 0.5833, 0.2987



71.8799, 0.2942, 0.5767



18.0749, 0.3248, 0.3220



11.3962, 0.5790, 0.2964



1.1277, 0.5470, 0.2787

Previews

White Background



This preview shows how the Yxy color 17.5044, 0.2493, 0.1158 looks on a white background.

Color Contrast Check

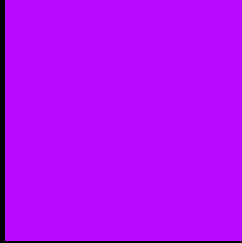
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5044, 0.2493, 0.1158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

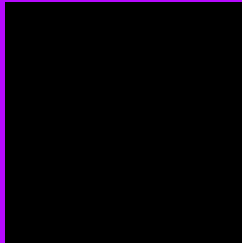
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5044, 0.2493, 0.1158

Background



This preview shows how black text looks on a background with the Yxy color 17.5044, 0.2493, 0.1158.



This preview shows how white text looks on a background with the Yxy color 17.5044, 0.2493, 0.1158.

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

17.5044, 0.2493, 0.1158

Protanopia

17.9833, 0.1741, 0.1467

Deuteranopia

17.8892, 0.1848, 0.1851



Tritanopia

17.5468, 0.3895, 0.3178

Trichromacy



Original Color

17.5044, 0.2493, 0.1158



Protanomaly

12.8938, 0.1753, 0.1065



Deuteranomaly

12.3124, 0.1812, 0.1197



Tritanomaly

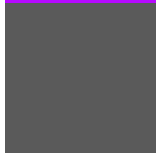
14.9123, 0.3287, 0.1994

Monochromacy



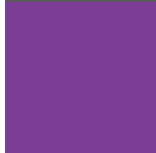
Original Color

17.5044, 0.2493, 0.1158



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.8246, 0.2803, 0.1778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5044, 0.2493, 0.1158 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(183, 10, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 10, 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(183, 10, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 10, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.5044, 0.2493, 0.1158 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(183, 10, 255) }
```

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

```
.border{ border-color:rgb(183, 10, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 10, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 10, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 10, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 10,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5044, 0.2493, 0.1158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 10, 255) }
```

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

```
.background{ background-color: rgb(183, 10,  
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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