

Converting Colors

$Y_{xy}(17.5057, 0.2472, 0.1161)$

Have a look what the booklet for
Yxy(17.5057, 0.2472, 0.1161)
contains.

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Color

Yxy(17.5441, 0.2475, 0.1162)

Conversions

Conversions Part 1

Format	Color
Hex	B514FF
RGB	181, 20, 255
RGB Percent	71%, 8%, 100%
CMY	0.2901, 0.9223, 0.0000
CMYK	0.29, 0.92, 0.00, 0.00
HSL	281°, 100%, 54%
HSV	281°, 92%, 100%
XYZ	37.3680, 17.5441, 96.0698
YIQ	94.9290, 20.5210, 107.2170

Conversions

Conversions Part 2

Format	Color
R _Y B	181, 20, 255
Decimal	11867391
CIE Lab	48.94, 86.38, -79.86
CIE LCh	49, 117.643, 317.246
Yxy	17.5441, 0.2475, 0.1162
Android (android.graphics.Color)	4290057471 (0xFFB514FF)
YUV	94.9290, 78.9150, 75.4843
Hunter-Lab	41.8857, 85.9476, -106.6687

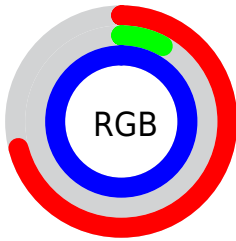
Details

The Yxy color **17.5441, 0.2475, 0.1162** is a light color, and the websafe version is hex **CC00FF**.

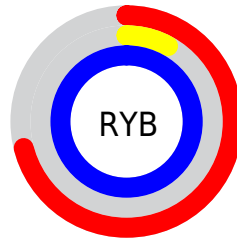
The color can be described as light washed purple. A complement of this color would be **73.9379, 0.3182, 0.5812**, and the grayscale version is **11.2051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8241, 0.3083, 0.1811**, and **8.0243, 0.2248, 0.1012** is the 20% darker color. If you saturate the color by 10%, you get **16.3109, 0.2413, 0.1103**, and if you desaturate by 10%, it is **19.9460, 0.2559, 0.1276**.

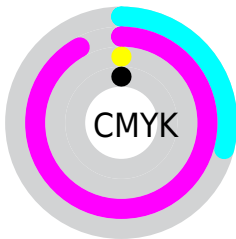
Distribution



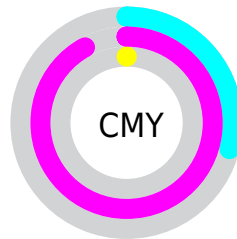
- Red (71%)
- Green (8%)
- Blue (100%)



- Red (71%)
- Yellow (8%)
- Blue (100%)



- Cyan (29%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (92%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5441, 0.2475, 0.1162 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 17.5441, 0.2475, 0.1162 by changing the saturation by 10% instead.


 17.5441, 0.2475,
0.1162


 17.5441, 0.2475,
0.1162


238.2887, 0.2879,
0.2103


 10.6232, 0.2361,
0.0977


 39.2589, 0.2634,
0.1468


 5.8141, 0.2212,
0.0770


 54.8216, 0.2691,
0.1594


 2.7323, 0.2013,
0.0543


 74.0337, 0.2737,
0.1705

 0.9936, 0.1744,
0.0313

 97.2796, 0.2775,
0.1803

 0.0000, 0.1398,
0.0000

 124.9436, 0.2808,
0.1891

 0.0000, 0.0918,
0.0000

 157.4102, 0.2835,

 0.0000, 0.0000,

0.1969

0.0000

195.0637, 0.2859,
0.2039

■ 17.5441, 0.2475,
0.1162

■ 17.5441, 0.2475,
0.1162

■ 16.3109, 0.2413,
0.1103

■ 19.9460, 0.2559,
0.1276

■ 23.5824, 0.2646,
0.1440

■ 28.6347, 0.2732,
0.1648

■ 35.2554, 0.2815,
0.1892

■ 43.5769, 0.2892,
0.2158

■ 53.7175, 0.2961,
0.2435

■ 65.7843, 0.3022,
0.2712

■ 79.8764, 0.3075,
0.2981

■ 96.0858, 0.3118,
0.3236

Harmonies

Analogous

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



17.5441, 0.1217, 0.0900



17.5441, 0.2475, 0.1162



17.5441, 0.4674, 0.1754

Triad

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



17.5441, 0.2475, 0.1162



17.5441, 0.5536, 0.4464



17.5441, 0.0557, 0.2732

Complementary

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



17.5441, 0.2475, 0.1162



73.9379, 0.3182, 0.5812

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.



17.5441, 0.1157, 0.5922



17.5441, 0.2475, 0.1162



17.5441, 0.3894, 0.6106

Square

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



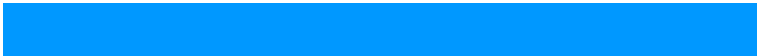
17.5441, 0.2475, 0.1162



17.5441, 0.6687, 0.3313



17.5441, 0.2358, 0.7507



17.5441, 0.0469, 0.1351

Rectangle

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



17.5441, 0.2475, 0.1162



17.5441, 0.6125, 0.2265



17.5441, 0.2358, 0.7507



17.5441, 0.0680, 0.3610

Sweetspot

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



17.5412, 0.2475, 0.1162



58.5821, 0.2988, 0.2553



15.4234, 0.1666, 0.1149



11.4778, 0.2961, 0.2433



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.



17.5412, 0.2475, 0.1162



16.3109, 0.2413, 0.1103



26.5012, 0.3696, 0.1836



17.9971, 0.3087, 0.3052



8.6059, 0.2426, 0.1110



0.8962, 0.2517, 0.1160

Inverse Universe

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



22.5579, 0.5530, 0.2868



21.8421, 0.5759, 0.2946



72.0248, 0.2941, 0.5734



18.0812, 0.3245, 0.3215



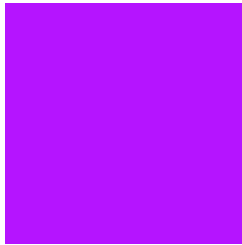
11.4366, 0.5717, 0.2923



1.1323, 0.5397, 0.2747

Previews

White Background



This preview shows how the Yxy color 17.5441, 0.2475, 0.1162 looks on a white background.

Color Contrast Check

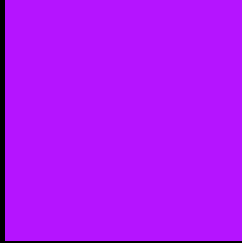
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5441, 0.2475, 0.1162 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 17.5441, 0.2475, 0.1162

Background



This preview shows how black text looks on a background with the Yxy color 17.5441, 0.2475, 0.1162.



This preview shows how white text looks on a background with the Yxy color 17.5441, 0.2475, 0.1162.

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

17.5441, 0.2475, 0.1162

Protanopia

17.9247, 0.1743, 0.1474

Deuteranopia

17.8892, 0.1848, 0.1851



Tritanopia

17.4580, 0.3833, 0.3176

Trichromacy



Original Color

17.5441, 0.2475, 0.1162



Protanomaly

13.2819, 0.1756, 0.1092



Deuteranomaly

12.8807, 0.1819, 0.1241



Tritanomaly

15.0790, 0.3243, 0.2020

Monochromacy



Original Color

17.5441, 0.2475, 0.1162



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.8698, 0.2799, 0.1853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5441, 0.2475, 0.1162 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(181, 20, 255)` looks like.

```
.text, #text, p{  
  color:rgb(181, 20, 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(181, 20, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 20, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.5441, 0.2475, 0.1162 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(181, 20, 255) }
```

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

```
.border{ border-color:rgb(181, 20, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 20, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 20, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 20, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 20,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5441, 0.2475, 0.1162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 20, 255) }
```

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

```
.background{ background-color: rgb(181, 20,  
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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