

Converting Colors

$Y_{xy}(17.7635, 0.2300, 0.1200)$

Have a look what the booklet for
Yxy(17.7635, 0.2300, 0.1200)
contains.

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Color

Yxy(17.8215, 0.2302, 0.1203)

Conversions

Conversions Part 1

Format	Color
Hex	A03BFF
RGB	160, 59, 255
RGB Percent	63%, 23%, 100%
CMY	0.3726, 0.7684, 0.0001
CMYK	0.37, 0.77, 0.00, 0.00
HSL	271°, 100%, 62%
HSV	271°, 77%, 100%
XYZ	34.1023, 17.8215, 96.2183
YIQ	111.5430, -2.7200, 82.3680

Conversions

Conversions Part 2

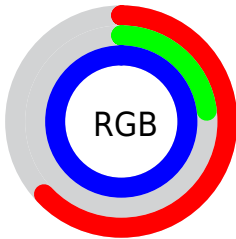
Format	Color
R _Y B	160, 59, 255
Decimal	10501119
CIE Lab	49.28, 73.92, -79.37
CIE LCh	49, 108.462, 312.961
Yxy	17.8215, 0.2302, 0.1203
Android (android.graphics.Color)	4288691199 (0xFFA03BFF)
YUV	111.5430, 70.7243, 42.4968
Hunter-Lab	42.2155, 70.3178, -105.5839

Details

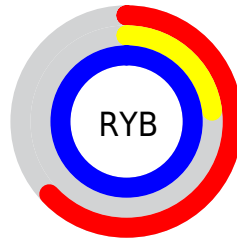
The Yxy color **17.8215, 0.2302, 0.1203** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **78.6861, 0.3433, 0.5417**, and the grayscale version is **15.8593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3147, 0.2883, 0.1877**, and **6.6839, 0.2024, 0.0889** is the 20% darker color. If you saturate the color by 10%, you get **14.5965, 0.2179, 0.1034**, and if you desaturate by 10%, it is **22.4527, 0.2432, 0.1424**.

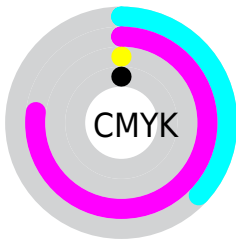
Distribution



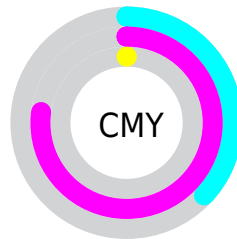
- Red (63%)
- Green (23%)
- Blue (100%)



- Red (63%)
- Yellow (23%)
- Blue (100%)



- Cyan (37%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (77%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8215, 0.2302, 0.1203 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 17.8215, 0.2302, 0.1203 by changing the saturation by 10% instead.


 17.8215, 0.2302,
0.1203


 17.8215, 0.2302,
0.1203


239.8630, 0.2784,
0.2139


 10.8219, 0.2172,
0.1016


 39.7329, 0.2487,
0.1510


 5.9472, 0.2005,
0.0805


 55.4136, 0.2554,
0.1636


 2.8130, 0.1787,
0.0573


 74.7567, 0.2610,
0.1746

 1.0349, 0.1501,
0.0334

 98.1466, 0.2656,
0.1843

 0.0000, 0.1144,
0.0000

 125.9678, 0.2696,
0.1930

 0.0000, 0.0669,
0.0000

158.6047, 0.2730,

 0.0000, 0.0000,

0.2007

0.0000

196.4416, 0.2759,
0.2077

■ 17.8215, 0.2302,
0.1203

■ 17.8215, 0.2302,
0.1203

■ 14.5965, 0.2179,
0.1034

■ 22.4527, 0.2432,
0.1424

■ 12.5646, 0.2067,
0.0922

■ 28.6560, 0.2562,
0.1685

■ 12.0707, 0.2034,
0.0894

■ 36.5754, 0.2687,
0.1973

■ 46.3373, 0.2804,
0.2271

■ 58.0560, 0.2908,
0.2567

71.8363, 0.3001,
0.2852

87.7754, 0.3080,
0.3119

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



17.8215, 0.1200, 0.0984



17.8215, 0.2302, 0.1203



17.8215, 0.4250, 0.1744

Triad

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



17.8215, 0.2302, 0.1203



17.8215, 0.5672, 0.4328



17.8215, 0.0725, 0.3135

Complementary

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



17.8215, 0.2302, 0.1203



78.6861, 0.3433, 0.5417

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.



17.8215, 0.1458, 0.6091



17.8215, 0.2302, 0.1203



17.8215, 0.4202, 0.5798

Square

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



17.8215, 0.2302, 0.1203



17.8215, 0.6575, 0.3283



17.8215, 0.2715, 0.7128



17.8215, 0.0558, 0.1587

Rectangle

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



17.8215, 0.2302, 0.1203



17.8215, 0.5662, 0.2243



17.8215, 0.2715, 0.7128



17.8215, 0.0891, 0.4031

Sweetspot

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



17.8221, 0.2302, 0.1203



63.1181, 0.2945, 0.2678



32.2653, 0.1954, 0.1976



12.4923, 0.2911, 0.2574



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.



17.8221, 0.2302, 0.1203



13.4198, 0.2120, 0.0970



31.6037, 0.3203, 0.1664



17.8379, 0.3060, 0.3050



6.3986, 0.2051, 0.0903



0.6881, 0.2172, 0.0970

Inverse Universe

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



26.7204, 0.4481, 0.2462



23.4998, 0.4871, 0.2499



72.7438, 0.3013, 0.5716



18.1338, 0.3218, 0.3175



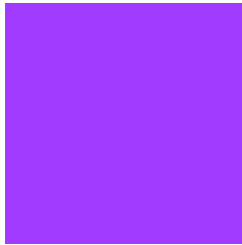
11.8943, 0.5029, 0.2544



1.1801, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 17.8215, 0.2302, 0.1203 looks on a white background.

Color Contrast Check

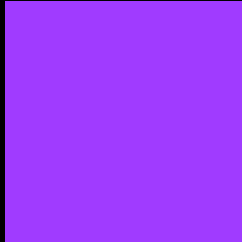
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8215, 0.2302, 0.1203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

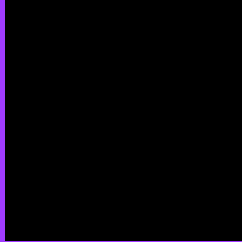
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8215, 0.2302, 0.1203

Background



This preview shows how black text looks on a background with the Yxy color 17.8215, 0.2302, 0.1203.



This preview shows how white text looks on a background with the Yxy color 17.8215, 0.2302, 0.1203.

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

17.8215, 0.2302, 0.1203

Protanopia

17.9833, 0.1741, 0.1467

Deuteranopia

17.8892, 0.1848, 0.1851



Tritanopia

17.6305, 0.3295, 0.3125

Trichromacy



Original Color

17.8215, 0.2302, 0.1203



Protanomaly

15.2599, 0.1764, 0.1224



Deuteranomaly

15.0167, 0.1829, 0.1404



Tritanomaly

16.2696, 0.2842, 0.2088

Monochromacy



Original Color

17.8215, 0.2302, 0.1203



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.1762, 0.2737, 0.2112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8215, 0.2302, 0.1203 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(160, 59, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 59, 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(160, 59, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 59, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.8215, 0.2302, 0.1203 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(160, 59, 255) }
```

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

```
.border{ border-color:rgb(160, 59, 255) }
```

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

Here you see how a box with a 4 pixel rgb(160, 59, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 59, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 59, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 59,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8215, 0.2302, 0.1203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 59, 255) }
```

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

```
.background{ background-color: rgb(160, 59,  
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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