

Converting Colors

$Y_{xy}(17.5786, 0.2339, 0.1184)$

Have a look what the booklet for
Yxy(17.5786, 0.2339, 0.1184)
contains.

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Color

Yxy(17.5870, 0.2340, 0.1184)

Conversions

Conversions Part 1

Format	Color
Hex	A533FF
RGB	165, 51, 255
RGB Percent	65%, 20%, 100%
CMY	0.3528, 0.8002, 0.0000
CMYK	0.35, 0.80, 0.00, 0.00
HSL	274°, 100%, 60%
HSV	274°, 80%, 100%
XYZ	34.7581, 17.5870, 96.1938
YIQ	108.3420, 2.4600, 87.6120

Conversions

Conversions Part 2

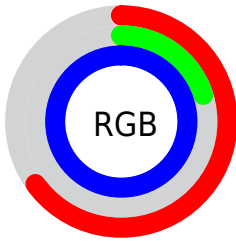
Format	Color
R _Y B	165, 51, 255
Decimal	10826751
CIE Lab	48.99, 77.42, -79.85
CIE LCh	49, 111.222, 314.113
Yxy	17.5870, 0.2340, 0.1184
Android (android.graphics.Color)	4289016831 (0xFFA533FF)
YUV	108.3420, 72.3024, 49.6891
Hunter-Lab	41.9369, 74.5548, -106.6422

Details

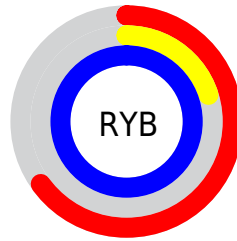
The Yxy color **17.5870, 0.2340, 0.1184** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **77.4147, 0.3373, 0.5517**, and the grayscale version is **14.8841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7576, 0.2927, 0.1846**, and **6.9743, 0.2075, 0.0916** is the 20% darker color. If you saturate the color by 10%, you get **14.7836, 0.2228, 0.1039**, and if you desaturate by 10%, it is **21.7132, 0.2459, 0.1382**.

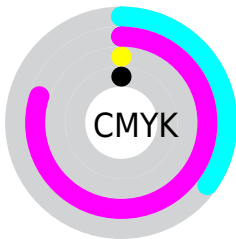
Distribution



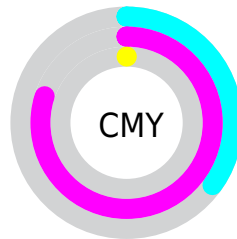
- Red (65%)
- Green (20%)
- Blue (100%)



- Red (65%)
- Yellow (20%)
- Blue (100%)



- Cyan (35%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5870, 0.2340, 0.1184 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 17.5870, 0.2340, 0.1184 by changing the saturation by 10% instead.


 17.5870, 0.2340,
0.1184


 17.5870, 0.2340,
0.1184


238.5328, 0.2806,
0.2125


 10.6539, 0.2213,
0.0997


 39.3323, 0.2520,
0.1492


 5.8346, 0.2049,
0.0787


 54.9133, 0.2585,
0.1618


 2.7448, 0.1835,
0.0557


 74.1457, 0.2639,
0.1728

 1.0000, 0.1551,
0.0321

 97.4139, 0.2683,
0.1827

 0.0000, 0.1194,
0.0000

 125.1023, 0.2721,
0.1914

 0.0000, 0.0721,
0.0000

157.5954, 0.2754,

 0.0000, 0.0000,

0.1992

0.0000

195.2774, 0.2782,
0.2062

■ 17.5870, 0.2340,
0.1184

■ 17.5870, 0.2340,
0.1184

■ 14.7836, 0.2228,
0.1039

■ 21.7132, 0.2459,
0.1382

■ 13.0205, 0.2125,
0.0944

■ 27.3432, 0.2579,
0.1624

■ 34.6250, 0.2695,
0.1897

■ 43.6889, 0.2804,
0.2187

■ 54.6520, 0.2902,
0.2480

67.6210, 0.2989,
0.2766

82.6948, 0.3063,
0.3037

99.9654, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



17.5870, 0.1196, 0.0954



17.5870, 0.2340, 0.1184



17.5870, 0.4364, 0.1740

Triad

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



17.5870, 0.2340, 0.1184



17.5870, 0.5643, 0.4357



17.5870, 0.0668, 0.3024

Complementary

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



17.5870, 0.2340, 0.1184



77.4147, 0.3373, 0.5517

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.



17.5870, 0.1365, 0.6079



17.5870, 0.2340, 0.1184



17.5870, 0.4119, 0.5881

Square

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



17.5870, 0.2340, 0.1184



17.5870, 0.6624, 0.3284



17.5870, 0.2613, 0.7254



17.5870, 0.0525, 0.1513

Rectangle

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



17.5870, 0.2340, 0.1184



17.5870, 0.5800, 0.2243



17.5870, 0.2613, 0.7254



17.5870, 0.0822, 0.3925

Sweetspot

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



17.5858, 0.2340, 0.1184



62.2110, 0.2955, 0.2653



27.4996, 0.1883, 0.1773



12.3388, 0.2924, 0.2551



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.



17.5858, 0.2340, 0.1184



13.6499, 0.2165, 0.0978



30.2037, 0.3307, 0.1697



17.8786, 0.3067, 0.3051



6.8935, 0.2141, 0.0953



0.7360, 0.2256, 0.1017

Inverse Universe

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



25.5443, 0.4705, 0.2545



22.7928, 0.5150, 0.2630



72.5612, 0.2990, 0.5715



18.1202, 0.3225, 0.3186



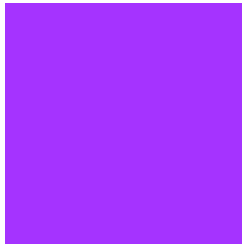
11.7541, 0.5214, 0.2646



1.1660, 0.4930, 0.2489

Previews

White Background



This preview shows how the Yxy color 17.5870, 0.2340, 0.1184 looks on a white background.

Color Contrast Check

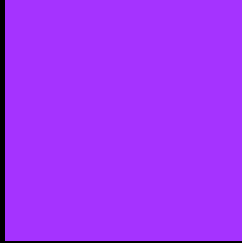
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5870, 0.2340, 0.1184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

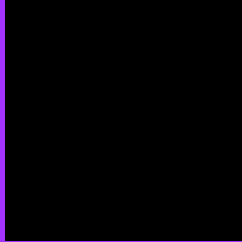
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5870, 0.2340, 0.1184

Background



This preview shows how black text looks on a background with the Yxy color 17.5870, 0.2340, 0.1184.



This preview shows how white text looks on a background with the Yxy color 17.5870, 0.2340, 0.1184.

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

17.5870, 0.2340, 0.1184

Protanopia

17.7028, 0.1739, 0.1461

Deuteranopia

17.6014, 0.1846, 0.1844



Tritanopia

17.3894, 0.3437, 0.3147

Trichromacy



Original Color

17.5870, 0.2340, 0.1184



Protanomaly

14.8046, 0.1763, 0.1194



Deuteranomaly

14.2938, 0.1827, 0.1361



Tritanomaly

15.9023, 0.2937, 0.2067

Monochromacy



Original Color

17.5870, 0.2340, 0.1184



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.0567, 0.2763, 0.2055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5870, 0.2340, 0.1184 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(165, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 51, 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(165, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.5870, 0.2340, 0.1184 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(165, 51, 255) }
```

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

```
.border{ border-color:rgb(165, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 51, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 51, 255); box-shadow:4px 4px 4px 4px rgb(165, 51, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5870, 0.2340, 0.1184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 51, 255) }
```

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

```
.background{ background-color: rgb(165, 51,  
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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