

Converting Colors

$Y_{xy}(18.3441, 0.2175, 0.1297)$

Have a look what the booklet for
Yxy(18.3441, 0.2175, 0.1297)
contains.

Yxy(18.3400, 0.2174, 0.1297)	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(18.3400, 0.2174, 0.1297)

Conversions

Conversions Part 1

Format	Color
Hex	8A52FA
RGB	138, 82, 250
RGB Percent	54%, 32%, 98%
CMY	0.4590, 0.6782, 0.0198
CMYK	0.45, 0.67, 0.00, 0.02
HSL	260°, 94%, 65%
HSV	260°, 67%, 98%
XYZ	30.7411, 18.3400, 92.3222
YIQ	117.8960, -20.5520, 64.1200

Conversions

Conversions Part 2

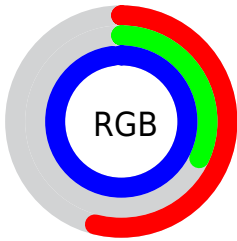
Format	Color
R _{YB}	138, 82, 250
Decimal	9065210
CIE _{Lab}	49.91, 59.14, -75.67
CIE _{LCh}	50, 96.034, 308.009
Y _{xy}	18.3400, 0.2174, 0.1297
Android (android.graphics.Color)	4287255290 (0xFF8A52FA)
YUV	117.8960, 65.1273, 17.6312
Hunter-Lab	42.8252, 53.1878, -97.8391

Details

The Yxy color **18.3400, 0.2174, 0.1297** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **80.4276, 0.3649, 0.5063**, and the grayscale version is **17.8836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5537, 0.2694, 0.1970**, and **6.2210, 0.1860, 0.0895** is the 20% darker color. If you saturate the color by 10%, you get **13.9159, 0.2014, 0.1052**, and if you desaturate by 10%, it is **24.3557, 0.2342, 0.1586**.

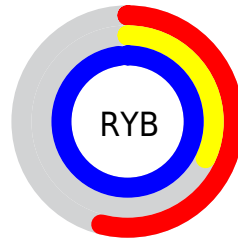
Distribution



Red (54%)

Green (32%)

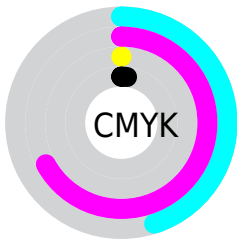
Blue (98%)



Red (54%)

Yellow (32%)

Blue (98%)

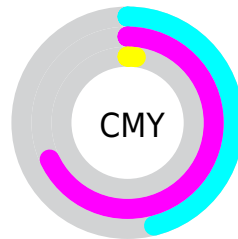


Cyan (45%)

Magenta (67%)

Yellow (0%)

Black (2%)



Cyan (46%)


Magenta (68%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3400, 0.2174, 0.1297 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 18.3400, 0.2174, 0.1297 by changing the saturation by 10% instead.


 18.3400, 0.2174,
0.1297


 18.3400, 0.2174,
0.1297


242.7805, 0.2711,
0.2215


 11.1944, 0.2033,
0.1108


 40.6158, 0.2377,
0.1603


 6.1977, 0.1854,
0.0890


 56.5148, 0.2451,
0.1727


 2.9657, 0.1623,
0.0647


 76.1004, 0.2513,
0.1835

 1.1138, 0.1324,
0.0389

 99.7569, 0.2565,
0.1930

 0.0000, 0.0960,
0.0000

 127.8688, 0.2610,
0.2013

 0.0000, 0.0424,
0.0000

160.8204, 0.2648,

 0.0000, 0.0000,

0.2088

0.0000

198.9962, 0.2682,
0.2155

■ 18.3400, 0.2174,
0.1297

■ 18.3400, 0.2174,
0.1297

■ 13.9159, 0.2014,
0.1052

■ 24.3557, 0.2342,
0.1586

■ 10.9147, 0.1873,
0.0868

■ 32.1044, 0.2509,
0.1902

■ 9.1238, 0.1756,
0.0751

■ 41.7134, 0.2668,
0.2224

■ 8.7480, 0.1728,
0.0726

■ 53.2970, 0.2813,
0.2539

■ 66.9603, 0.2943,
0.2836

82.8009, 0.3056,
0.3110

99.6157, 0.3154,
0.3338

99.6791, 0.3156,
0.3338

Harmonies

Analogous

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



18.3400, 0.1234, 0.1131



18.3400, 0.2174, 0.1297



18.3400, 0.3820, 0.1774

Triad

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



18.3400, 0.2174, 0.1297



18.3400, 0.5761, 0.4239



18.3400, 0.0999, 0.3571

Complementary

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



18.3400, 0.2174, 0.1297



80.4276, 0.3649, 0.5063

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.



18.3400, 0.1858, 0.6041



18.3400, 0.2174, 0.1297



18.3400, 0.4513, 0.5487

Square

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



18.3400, 0.2174, 0.1297



18.3400, 0.6328, 0.3278



18.3400, 0.3122, 0.6616



18.3400, 0.0721, 0.1922

Rectangle

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



18.3400, 0.2174, 0.1297



18.3400, 0.5099, 0.2240



18.3400, 0.3122, 0.6616



18.3400, 0.1215, 0.4402

Sweetspot

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



18.3406, 0.2174, 0.1297



65.7747, 0.2908, 0.2754



48.5295, 0.2176, 0.2598



13.2075, 0.2872, 0.2670



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.



18.3406, 0.2174, 0.1297



13.1678, 0.1956, 0.0972



28.0280, 0.2901, 0.1641



16.9237, 0.3031, 0.3048



4.7121, 0.1743, 0.0734



0.4918, 0.1871, 0.0804

Inverse Universe

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



30.2549, 0.3820, 0.2215



26.9660, 0.4024, 0.2119



72.4509, 0.3155, 0.5380



17.4205, 0.3189, 0.3133



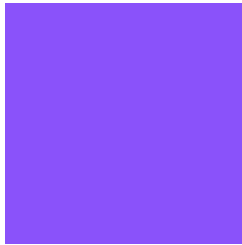
12.2837, 0.4274, 0.2128



1.1573, 0.4114, 0.2040

Previews

White Background



This preview shows how the Yxy color 18.3400, 0.2174, 0.1297 looks on a white background.

Color Contrast Check

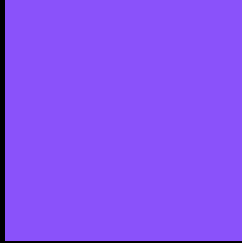
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3400, 0.2174, 0.1297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

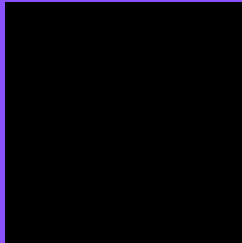
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3400, 0.2174, 0.1297

Background



This preview shows how black text looks on a background with the Yxy color 18.3400, 0.2174, 0.1297.



This preview shows how white text looks on a background with the Yxy color 18.3400, 0.2174, 0.1297.

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

18.3400, 0.2174, 0.1297

Protanopia

18.4454, 0.1737, 0.1454

Deuteranopia

18.2782, 0.1844, 0.1837



Tritanopia

18.2328, 0.2874, 0.3095

Trichromacy



Original Color

18.3400, 0.2174, 0.1297



Protanomaly

16.7734, 0.1765, 0.1313



Deuteranomaly

16.5753, 0.1833, 0.1517



Tritanomaly

17.2860, 0.2550, 0.2161

Monochromacy



Original Color

18.3400, 0.2174, 0.1297



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.2163, 0.2686, 0.2267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3400, 0.2174, 0.1297 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(138, 82, 250)` looks like.

```
.text, #text, p{  
  color:rgb(138, 82, 250)  
}
```

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(138, 82, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 82, 250) }
```

Border

The CSS property to change the border of an element to Yxy 18.3400, 0.2174, 0.1297 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(138, 82, 250) }
```

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

```
.border{ border-color:rgb(138, 82, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 82, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 82, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 82, 250);  
box-shadow:4px 4px 4px 4px rgb(138, 82,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3400, 0.2174, 0.1297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 82, 250) }
```

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

```
.background{ background-color: rgb(138, 82,  
250) }
```

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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