

Converting Colors

$Y_{xy}(18.7377, 0.2165, 0.1330)$

Have a look what the booklet for
Yxy(18.7377, 0.2165, 0.1330)
contains.

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Color

Yxy(18.6460, 0.2162, 0.1325)

Conversions

Conversions Part 1

Format	Color
Hex	8756F9
RGB	135, 86, 249
RGB Percent	53%, 34%, 98%
CMY	0.4705, 0.6628, 0.0234
CMYK	0.46, 0.65, 0.00, 0.02
HSL	258°, 93%, 66%
HSV	258°, 65%, 98%
XYZ	30.4246, 18.6460, 91.6539
YIQ	119.2330, -23.1190, 61.0810

Conversions

Conversions Part 2

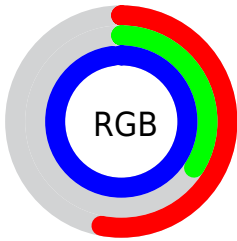
Format	Color
R_{YB}	135, 86, 249
Decimal	8869625
CIE _{Lab}	50.27, 56.38, -74.58
CIE _{LCh}	50, 93.495, 307.089
Yxy	18.6460, 0.2162, 0.1325
Android (android.graphics.Color)	4287059705 (0xFF8756F9)
YUV	119.2330, 63.9751, 13.8277
Hunter-Lab	43.1810, 50.2014, -95.6193

Details

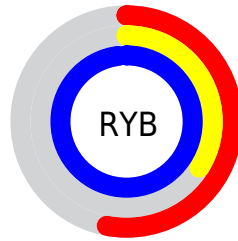
The Yxy color **18.6460, 0.2162, 0.1325** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **80.7314, 0.3680, 0.5003**, and the grayscale version is **18.3234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9991, 0.2672, 0.1992**, and **6.3414, 0.1841, 0.0921** is the 20% darker color. If you saturate the color by 10%, you get **14.0112, 0.1997, 0.1068**, and if you desaturate by 10%, it is **24.9027, 0.2336, 0.1625**.

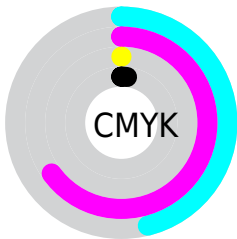
Distribution



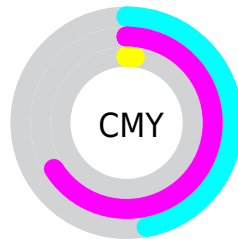
- Red (53%)
- Green (34%)
- Blue (98%)



- Red (53%)
- Yellow (34%)
- Blue (98%)



- Cyan (46%)
- Magenta (65%)
- Yellow (0%)
- Black (2%)





- Cyan (47%)
- Magenta (66%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6460, 0.2162, 0.1325 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 18.6460, 0.2162, 0.1325 by changing the saturation by 10% instead.


 18.6460, 0.2162,
0.1325


 18.6460, 0.2162,
0.1325


244.4875, 0.2703,
0.2234


 11.4148, 0.2021,
0.1136


 41.1351, 0.2366,
0.1630


 6.3465, 0.1841,
0.0918


 57.1617, 0.2440,
0.1752


 3.0569, 0.1610,
0.0672


 76.8889, 0.2503,
0.1859

 1.1615, 0.1310,
0.0410

 100.7011, 0.2556,
0.1953

 0.0299, 0.0946,
0.0018

 128.9826, 0.2601,
0.2036

 0.0000, 0.0399,
0.0000

162.1179, 0.2639,

 0.0000, 0.0000,

0.2109

0.0000

200.4914, 0.2673,
0.2175

■ 18.6460, 0.2162,
0.1325

■ 18.6460, 0.2162,
0.1325

■ 14.0112, 0.1997,
0.1068

■ 24.9027, 0.2336,
0.1625

■ 10.8341, 0.1850,
0.0871

■ 32.9198, 0.2509,
0.1947


■ 8.9161, 0.1732,
0.0743

■ 42.8225, 0.2672,
0.2272

■ 8.3336, 0.1687,
0.0703

■ 54.7238, 0.2822,
0.2588

■ 68.7278, 0.2955,
0.2883

 84.9311, 0.3071,
0.3153

 99.6223, 0.3162,
0.3347

Harmonies

Analogous

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



18.6460, 0.1252, 0.1170



18.6460, 0.2162, 0.1325



18.6460, 0.3747, 0.1788

Triad

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



18.6460, 0.2162, 0.1325



18.6460, 0.5761, 0.4230



18.6460, 0.1066, 0.3642

Complementary

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



18.6460, 0.2162, 0.1325



80.7314, 0.3680, 0.5003

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.



18.6460, 0.1942, 0.5993



18.6460, 0.2162, 0.1325



18.6460, 0.4565, 0.5435

Square

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



18.6460, 0.2162, 0.1325



18.6460, 0.6255, 0.3281



18.6460, 0.3198, 0.6507



18.6460, 0.0765, 0.1996

Rectangle

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



18.6460, 0.2162, 0.1325



18.6460, 0.4989, 0.2247



18.6460, 0.3198, 0.6507



18.6460, 0.1289, 0.4447

Sweetspot

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



18.6466, 0.2162, 0.1325



65.5179, 0.2896, 0.2752



50.1863, 0.2203, 0.2656



13.1467, 0.2858, 0.2668



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.



18.6466, 0.2162, 0.1325



13.4024, 0.1941, 0.0989



28.1594, 0.2883, 0.1661



16.8960, 0.3026, 0.3048



4.5234, 0.1701, 0.0711



0.4716, 0.1825, 0.0779

Inverse Universe

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



30.9709, 0.3730, 0.2186



27.7708, 0.3905, 0.2073



72.3435, 0.3172, 0.5321



17.4304, 0.3184, 0.3126



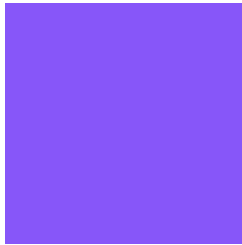
12.4453, 0.4150, 0.2060



1.1714, 0.4010, 0.1983

Previews

White Background



This preview shows how the Yxy color 18.6460, 0.2162, 0.1325 looks on a white background.

Color Contrast Check

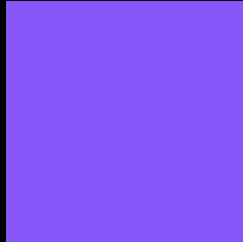
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.6460, 0.2162, 0.1325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

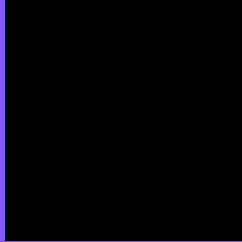
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6460, 0.2162, 0.1325

Background



This preview shows how black text looks on a background with the Yxy color 18.6460, 0.2162, 0.1325.



This preview shows how white text looks on a background with the Yxy color 18.6460, 0.2162, 0.1325.

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

18.6460, 0.2162, 0.1325

Protanopia

18.7931, 0.1737, 0.1454

Deuteranopia

18.6222, 0.1843, 0.1833



Tritanopia

18.5883, 0.2822, 0.3095

Trichromacy



Original Color

18.6460, 0.2162, 0.1325



Protanomaly

17.2074, 0.1766, 0.1330



Deuteranomaly

17.0265, 0.1834, 0.1537



Tritanomaly

17.7454, 0.2518, 0.2189

Monochromacy



Original Color

18.6460, 0.2162, 0.1325



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.6285, 0.2688, 0.2301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6460, 0.2162, 0.1325 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(135, 86, 249)` looks like.

```
.text, #text, p{  
  color:rgb(135, 86, 249)  
}
```

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(135, 86, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 86, 249) }
```

Border

The CSS property to change the border of an element to Yxy 18.6460, 0.2162, 0.1325 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(135, 86, 249) }
```

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

```
.border{ border-color:rgb(135, 86, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 86, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 86, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 86, 249);  
box-shadow:4px 4px 4px 4px rgb(135, 86,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6460, 0.2162, 0.1325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 86, 249) }
```

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

```
.background{ background-color: rgb(135, 86,  
249) }
```

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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