

Converting Colors

$Y_{xy}(18.0917, 0.2126, 0.1293)$

Have a look what the booklet for
Yxy(18.0917, 0.2126, 0.1293)
contains.

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Color

Yxy(18.0681, 0.2124, 0.1289)

Conversions

Conversions Part 1

Format	Color
Hex	8354FA
RGB	131, 84, 250
RGB Percent	51%, 33%, 98%
CMY	0.4866, 0.6704, 0.0197
CMYK	0.48, 0.66, 0.00, 0.02
HSL	257°, 94%, 65%
HSV	257°, 66%, 98%
XYZ	29.7724, 18.0681, 92.3309
YIQ	116.9770, -25.2740, 61.5900

Conversions

Conversions Part 2

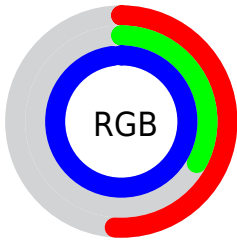
Format	Color
R _Y B	131, 84, 250
Decimal	8606970
CIE Lab	49.58, 56.90, -76.24
CIE LCh	50, 95.132, 306.737
Yxy	18.0681, 0.2124, 0.1289
Android (android.graphics.Color)	4286797050 (0xFF8354FA)
YUV	116.9770, 65.5803, 12.2982
Hunter-Lab	42.5066, 50.6382, -99.0325

Details

The Yxy color **18.0681, 0.2124, 0.1289** 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 **81.6990, 0.3705, 0.5009**, and the grayscale version is **17.5833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0348, 0.2646, 0.1962**, and **6.0868, 0.1797, 0.0884** is the 20% darker color. If you saturate the color by 10%, you get **13.5442, 0.1958, 0.1035**, and if you desaturate by 10%, it is **24.2247, 0.2300, 0.1588**.

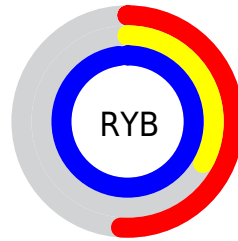
Distribution



Red (51%)

Green (33%)

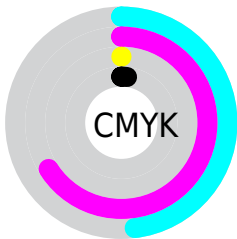
Blue (98%)



Red (51%)

Yellow (33%)

Blue (98%)

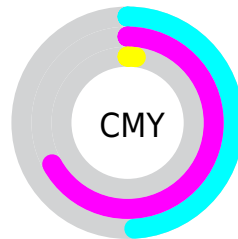


Cyan (48%)

Magenta (66%)

Yellow (0%)

Black (2%)



Cyan (49%)


Magenta (67%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0681, 0.2124, 0.1289 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 18.0681, 0.2124, 0.1289 by changing the saturation by 10% instead.


 18.0681, 0.2124,
0.1289


 18.0681, 0.2124,
0.1289


241.2546, 0.2685,
0.2213


 10.9989, 0.1978,
0.1098


 40.1533, 0.2335,
0.1597


 6.0661, 0.1794,
0.0880


 55.9381, 0.2412,
0.1722

 2.8853, 0.1557,
0.0636


 75.3969, 0.2477,
0.1830

 1.0722, 0.1253,
0.0378

 98.9141, 0.2532,
0.1926

 0.0000, 0.0887,
0.0000

 126.8741, 0.2579,
0.2010

 0.0000, 0.0328,
0.0000

159.6612, 0.2619,

 0.0000, 0.0000,

0.2085

0.0000

197.6599, 0.2654,
0.2152

■ 18.0681, 0.2124,
0.1289

■ 18.0681, 0.2124,
0.1289

■ 13.5442, 0.1958,
0.1035

■ 24.2247, 0.2300,
0.1588

■ 10.4836, 0.1814,
0.0844

■ 32.1566, 0.2477,
0.1911


■ 8.6797, 0.1700,
0.0723


■ 41.9921, 0.2645,
0.2240

■ 8.2253, 0.1666,
0.0691

■ 53.8472, 0.2800,
0.2558

■ 67.8282, 0.2938,
0.2857

 84.0340, 0.3059,
0.3130

 99.6799, 0.3156,
0.3338

Harmonies

Analogous

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



18.0681, 0.1213, 0.1136



18.0681, 0.2124, 0.1289



18.0681, 0.3737, 0.1752

Triad

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



18.0681, 0.2124, 0.1289



18.0681, 0.5802, 0.4198



18.0681, 0.1029, 0.3670

Complementary

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



18.0681, 0.2124, 0.1289



81.6990, 0.3705, 0.5009

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.



18.0681, 0.1914, 0.6107



18.0681, 0.2124, 0.1289



18.0681, 0.4572, 0.5428

Square

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



18.0681, 0.2124, 0.1289



18.0681, 0.6319, 0.3248



18.0681, 0.3186, 0.6579



18.0681, 0.0730, 0.1973

Rectangle

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



18.0681, 0.2124, 0.1289



18.0681, 0.5015, 0.2213



18.0681, 0.3186, 0.6579



18.0681, 0.1254, 0.4508

Sweetspot

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



18.0686, 0.2124, 0.1289



65.3743, 0.2890, 0.2751



52.7959, 0.2212, 0.2721



13.1127, 0.2851, 0.2667



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.



18.0686, 0.2124, 0.1289



12.8159, 0.1902, 0.0956



27.1351, 0.2825, 0.1619



16.8804, 0.3023, 0.3048



4.4265, 0.1680, 0.0699



0.4610, 0.1801, 0.0766

Inverse Universe

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



30.9825, 0.3705, 0.2150



27.6756, 0.3868, 0.2037



73.1837, 0.3198, 0.5330



17.4360, 0.3181, 0.3121



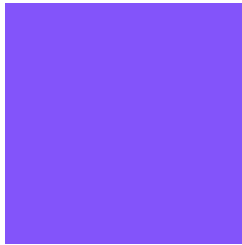
12.5407, 0.4082, 0.2023



1.1796, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 18.0681, 0.2124, 0.1289 looks on a white background.

Color Contrast Check

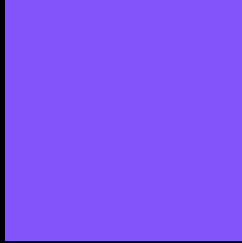
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0681, 0.2124, 0.1289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

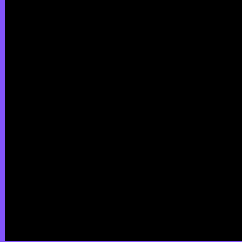
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0681, 0.2124, 0.1289

Background



This preview shows how black text looks on a background with the Yxy color 18.0681, 0.2124, 0.1289.



This preview shows how white text looks on a background with the Yxy color 18.0681, 0.2124, 0.1289.

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

18.0681, 0.2124, 0.1289

Protanopia

18.1015, 0.1737, 0.1454

Deuteranopia

17.9870, 0.1842, 0.1830



Tritanopia

17.9101, 0.2755, 0.3090

Trichromacy



Original Color

18.0681, 0.2124, 0.1289



Protanomaly

16.6628, 0.1762, 0.1316



Deuteranomaly

16.4715, 0.1829, 0.1522



Tritanomaly

17.0961, 0.2465, 0.2168

Monochromacy



Original Color

18.0681, 0.2124, 0.1289



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.9573, 0.2662, 0.2272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0681, 0.2124, 0.1289 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(131, 84, 250)` looks like.

```
.text, #text, p{  
  color:rgb(131, 84, 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(131, 84, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 84, 250) }
```

Border

The CSS property to change the border of an element to Yxy 18.0681, 0.2124, 0.1289 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(131, 84, 250) }
```

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

```
.border{ border-color:rgb(131, 84, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 84, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 84, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 84, 250);  
box-shadow:4px 4px 4px 4px rgb(131, 84,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0681, 0.2124, 0.1289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 84, 250) }
```

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

```
.background{ background-color: rgb(131, 84,  
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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