

Converting Colors

$Y_{xy}(20.3986, 0.2050, 0.1224)$

Have a look what the booklet for
Yxy(20.3986, 0.2050, 0.1224)
contains.

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Color

Yxy(19.1860, 0.2122, 0.1305)

Conversions

Conversions Part 1

Format	Color
Hex	8558FF
RGB	133, 88, 255
RGB Percent	52%, 35%, 100%
CMY	0.4788, 0.6547, 0.0001
CMYK	0.48, 0.65, 0.00, 0.00
HSL	256°, 100%, 67%
HSV	256°, 65%, 100%
XYZ	31.1975, 19.1860, 96.6357
YIQ	120.4930, -26.7870, 61.4770

Conversions

Conversions Part 2

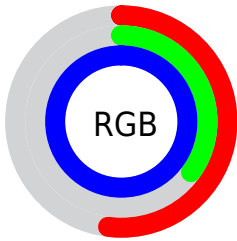
Format	Color
R _Y B	133, 88, 255
Decimal	8739071
CIE Lab	50.90, 56.52, -76.85
CIE LCh	51, 95.397, 306.335
Yxy	19.1860, 0.2122, 0.1305
Android (android.graphics.Color)	4286929151 (0xFF8558FF)
YUV	120.4930, 66.3120, 10.9686
Hunter-Lab	43.8018, 50.4819, -100.1445

Details

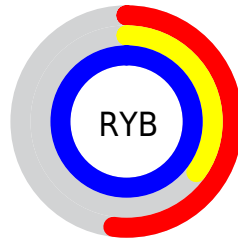
The Yxy color **19.1860, 0.2122, 0.1305** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **85.9196, 0.3717, 0.4981**, and the grayscale version is **18.7403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4455, 0.2666, 0.2010**, and **6.6196, 0.1802, 0.0904** is the 20% darker color. If you saturate the color by 10%, you get **14.3202, 0.1954, 0.1045**, and if you desaturate by 10%, it is **25.7853, 0.2301, 0.1609**.

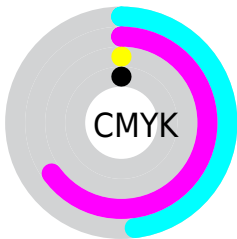
Distribution



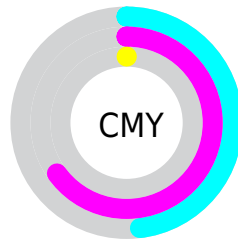
- Red (52%)
- Green (35%)
- Blue (100%)



- Red (52%)
- Yellow (35%)
- Blue (100%)



- Cyan (48%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1860, 0.2122, 0.1305 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 19.1860, 0.2122, 0.1305 by changing the saturation by 10% instead.


 19.1860, 0.2122,
0.1305


 19.1860, 0.2122,
0.1305


247.4737, 0.2679,
0.2215

 11.8048, 0.1979,
0.1118


 42.0482, 0.2330,
0.1608


 6.6109, 0.1799,
0.0903


 58.2979, 0.2407,
0.1730

 3.2200, 0.1569,
0.0663


 78.2725, 0.2471,
0.1837

 1.2476, 0.1274,
0.0407

 102.3565, 0.2526,
0.1932

 0.1001, 0.0917,
0.0056

130.9342, 0.2572,
0.2015

 0.0000, 0.0425,
0.0000

164.3900, 0.2613,

 0.0000, 0.0000,

0.2089

0.0000

203.1084, 0.2648,
0.2155

■ 19.1860, 0.2122,
0.1305

■ 19.1860, 0.2122,
0.1305

■ 14.3202, 0.1954,
0.1045

■ 25.7853, 0.2301,
0.1609

■ 11.0116, 0.1808,
0.0847

■ 34.2667, 0.2480,
0.1935


■ 9.0475, 0.1692,
0.0721

■ 44.7646, 0.2650,
0.2266

■ 8.4656, 0.1650,
0.0682

■ 57.4002, 0.2807,
0.2584

■ 72.2852, 0.2946,
0.2882

 89.5232, 0.3068,
0.3154

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



19.1860, 0.1224, 0.1157



19.1860, 0.2122, 0.1305



19.1860, 0.3705, 0.1762

Triad

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



19.1860, 0.2122, 0.1305



19.1860, 0.5798, 0.4196



19.1860, 0.1064, 0.3700

Complementary

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



19.1860, 0.2122, 0.1305



85.9196, 0.3717, 0.4981

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.



19.1860, 0.1955, 0.6074



19.1860, 0.2122, 0.1305



19.1860, 0.4595, 0.5405

Square

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



19.1860, 0.2122, 0.1305



19.1860, 0.6279, 0.3252



19.1860, 0.3221, 0.6520



19.1860, 0.0754, 0.2009

Rectangle

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



19.1860, 0.2122, 0.1305



19.1860, 0.4962, 0.2218



19.1860, 0.3221, 0.6520



19.1860, 0.1292, 0.4523

Sweetspot

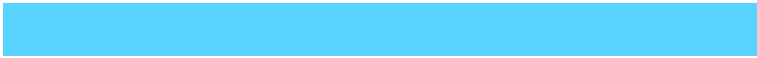
The Sweet Spot groups the original color and five complimentary colors.



19.1866, 0.2122, 0.1305



65.2660, 0.2885, 0.2750



55.6138, 0.2220, 0.2729



13.0871, 0.2845, 0.2666



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.



19.1866, 0.2122, 0.1305



12.9855, 0.1899, 0.0967



28.8087, 0.2830, 0.1635



17.6138, 0.3021, 0.3047



4.4869, 0.1663, 0.0690



0.4877, 0.1776, 0.0752

Inverse Universe

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



32.9007, 0.3668, 0.2141



28.0670, 0.3820, 0.2020



76.7147, 0.3200, 0.5306



18.2121, 0.3179, 0.3118



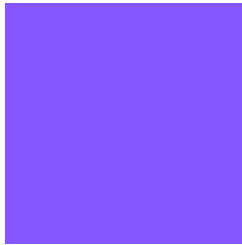
12.9978, 0.4033, 0.1995



1.2838, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 19.1860, 0.2122, 0.1305 looks on a white background.

Color Contrast Check

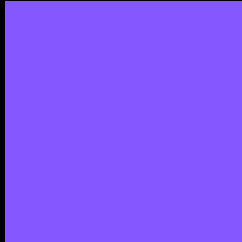
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1860, 0.2122, 0.1305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

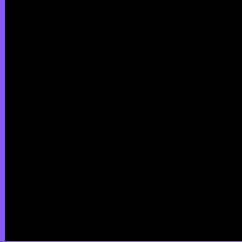
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1860, 0.2122, 0.1305

Background



This preview shows how black text looks on a background with the Yxy color 19.1860, 0.2122, 0.1305.



This preview shows how white text looks on a background with the Yxy color 19.1860, 0.2122, 0.1305.

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

19.1860, 0.2122, 0.1305

Protanopia

19.4380, 0.1739, 0.1460

Deuteranopia

19.2703, 0.1844, 0.1836



Tritanopia

19.1258, 0.2744, 0.3094

Trichromacy



Original Color

19.1860, 0.2122, 0.1305

Protanomaly

17.8386, 0.1762, 0.1330

Deuteranomaly

17.6544, 0.1828, 0.1533

Tritanomaly

18.2878, 0.2454, 0.2177

Monochromacy



Original Color

19.1860, 0.2122, 0.1305

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

17.9497, 0.2662, 0.2277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1860, 0.2122, 0.1305 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(133, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 88, 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(133, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 88, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.1860, 0.2122, 0.1305 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(133, 88, 255) }
```

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

```
.border{ border-color:rgb(133, 88, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 88, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 88, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 88, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 88,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1860, 0.2122, 0.1305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 88, 255) }
```

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

```
.background{ background-color: rgb(133, 88,  
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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