

Converting Colors

$Y_{xy}(19.8671, 0.1912, 0.1375)$

Have a look what the booklet for
Yxy(19.8671, 0.1912, 0.1375)
contains.

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Color

Yxy(19.8034, 0.1913, 0.1371)

Conversions

Conversions Part 1

Format	Color
Hex	5C6AFF
RGB	92, 106, 255
RGB Percent	36%, 42%, 100%
CMY	0.6387, 0.5845, 0.0000
CMYK	0.64, 0.58, 0.00, 0.00
HSL	235°, 100%, 68%
HSV	235°, 64%, 100%
XYZ	27.6323, 19.8034, 97.0092
YIQ	118.8000, -56.1730, 43.3710

Conversions

Conversions Part 2

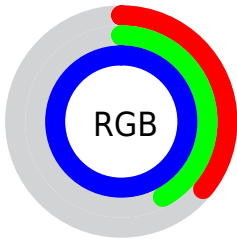
Format	Color
R _Y B	92, 105, 255
Decimal	6056703
CIE Lab	51.61, 39.79, -75.87
CIE LCh	52, 85.673, 297.674
Yxy	19.8034, 0.1913, 0.1371
Android (android.graphics.Color)	4284246783 (0xFF5C6AFF)
YUV	118.8000, 67.1466, -23.5036
Hunter-Lab	44.5010, 32.9604, -98.0975

Details

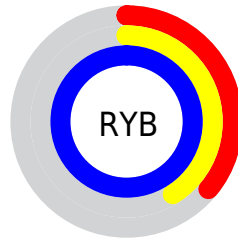
The Yxy color **19.8034, 0.1913, 0.1371** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **85.0509, 0.4095, 0.4664**, and the grayscale version is **18.1837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5020, 0.2415, 0.2113**, and **7.1591, 0.1608, 0.0989** is the 20% darker color. If you saturate the color by 10%, you get **14.5289, 0.1745, 0.1083**, and if you desaturate by 10%, it is **26.8234, 0.2109, 0.1695**.

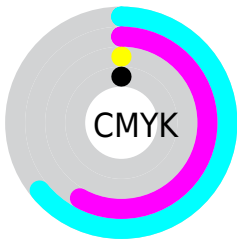
Distribution



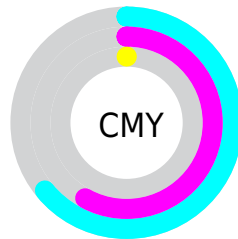
- Red (36%)
- Green (42%)
- Blue (100%)



- Red (36%)
- Yellow (41%)
- Blue (100%)



- Cyan (64%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8034, 0.1913, 0.1371 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 19.8034, 0.1913, 0.1371 by changing the saturation by 10% instead.


 19.8034, 0.1913,
0.1371


 19.8034, 0.1913,
0.1371


250.8488, 0.2559,
0.2269


 12.2522, 0.1755,
0.1182


 43.0873, 0.2148,
0.1674


 6.9157, 0.1559,
0.0964


 59.5889, 0.2237,
0.1795

 3.4094, 0.1315,
0.0716


 79.8426, 0.2312,
0.1900

 1.3490, 0.1015,
0.0449

 104.2330, 0.2376,
0.1993

 0.1787, 0.0666,
0.0101

133.1444, 0.2431,
0.2075

 0.0000, 0.0092,
0.0000

166.9613, 0.2479,

 0.0000, 0.0000,

0.2147

0.0000

206.0679, 0.2521,
0.2211

■ 19.8034, 0.1913,
0.1371

■ 19.8034, 0.1913,
0.1371

■ 14.5289, 0.1745,
0.1083

■ 26.8234, 0.2109,
0.1695

■ 10.8514, 0.1618,
0.0854

■ 35.7323, 0.2317,
0.2032

■ 8.5856, 0.1539,
0.0699

■ 46.6509, 0.2524,
0.2362

■ 7.7802, 0.1512,
0.0642

■ 59.6917, 0.2722,
0.2671

■ 74.9591, 0.2905,
0.2952

■ 92.5504, 0.3069,
0.3202

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.



19.8034, 0.1207, 0.1316



19.8034, 0.1913, 0.1371



19.8034, 0.3193, 0.1726

Triad

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



19.8034, 0.1913, 0.1371



19.8034, 0.5817, 0.3949



19.8034, 0.1438, 0.4293

Complementary

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



19.8034, 0.1913, 0.1371



85.0509, 0.4095, 0.4664

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.



19.8034, 0.2450, 0.6071



19.8034, 0.1913, 0.1371



19.8034, 0.4932, 0.5008

Square

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



19.8034, 0.1913, 0.1371



19.8034, 0.5920, 0.3111



19.8034, 0.3690, 0.6031



19.8034, 0.0959, 0.2492

Rectangle

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



19.8034, 0.1913, 0.1371



19.8034, 0.4301, 0.2122



19.8034, 0.3690, 0.6031



19.8034, 0.1724, 0.5008

Sweetspot

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



19.8012, 0.1913, 0.1371



66.8414, 0.2813, 0.2812



80.0173, 0.2426, 0.3484



13.3940, 0.2760, 0.2730



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.



19.8012, 0.1913, 0.1371



13.2140, 0.1700, 0.1004



22.0938, 0.2314, 0.1426



17.6254, 0.2979, 0.3065



4.1501, 0.1515, 0.0654



0.4848, 0.1547, 0.0767

Inverse Universe

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



29.9771, 0.5043, 0.3170



24.8644, 0.5641, 0.3183



83.2233, 0.3564, 0.5037



18.0121, 0.3281, 0.3270



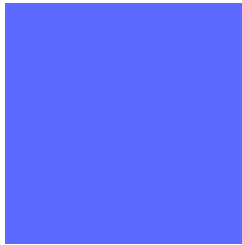
11.1469, 0.6310, 0.3250



1.0935, 0.6122, 0.3146

Previews

White Background



This preview shows how the Yxy color 19.8034, 0.1913, 0.1371 looks on a white background.

Color Contrast Check

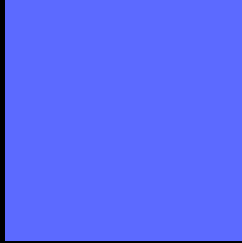
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8034, 0.1913, 0.1371 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 19.8034, 0.1913, 0.1371

Background



This preview shows how black text looks on a background with the Yxy color 19.8034, 0.1913, 0.1371.



This preview shows how white text looks on a background with the Yxy color 19.8034, 0.1913, 0.1371.

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

19.8034, 0.1913, 0.1371

Protanopia

19.8590, 0.1737, 0.1454

Deuteranopia

19.6251, 0.1843, 0.1833



Tritanopia

19.5520, 0.2212, 0.3059

Trichromacy



Original Color

19.8034, 0.1913, 0.1371

Protanomaly

19.4030, 0.1754, 0.1404

Deuteranomaly

19.0101, 0.1818, 0.1613

Tritanomaly

18.5413, 0.2026, 0.2185

Monochromacy



Original Color

19.8034, 0.1913, 0.1371

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.1130, 0.2518, 0.2352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8034, 0.1913, 0.1371 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(92, 106, 255)` looks like.

```
.text, #text, p{  
  color:rgb(92, 106, 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(92, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 106, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.8034, 0.1913, 0.1371 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(92, 106, 255) }
```

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

```
.border{ border-color:rgb(92, 106, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 106,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8034, 0.1913, 0.1371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 106, 255) }
```

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

```
.background{ background-color: rgb(92, 106,  
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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