

Converting Colors

$Y_{xy}(19.8790, 0.1867, 0.1383)$

Have a look what the booklet for
Yxy(19.8790, 0.1867, 0.1383)
contains.

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Color

Yxy(19.8628, 0.1867, 0.1382)

Conversions

Conversions Part 1

Format	Color
Hex	506DFF
RGB	80, 109, 255
RGB Percent	31%, 43%, 100%
CMY	0.6858, 0.5726, 0.0000
CMYK	0.69, 0.57, 0.00, 0.00
HSL	230°, 100%, 66%
HSV	230°, 69%, 100%
XYZ	26.8335, 19.8628, 97.0288
YIQ	116.9730, -64.1500, 39.2580

Conversions

Conversions Part 2

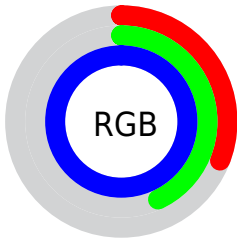
Format	Color
R_{YB}	80, 105, 255
Decimal	5271039
CIE _{Lab}	51.68, 36.28, -75.77
CIE _{LCh}	52, 84.005, 295.583
Yxy	19.8628, 0.1867, 0.1382
Android (android.graphics.Color)	4283461119 (0xFF506DFF)
YUV	116.9730, 68.0473, -32.4253
Hunter-Lab	44.5677, 29.4784, -97.8834

Details

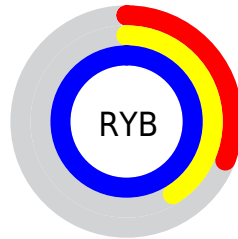
The Yxy color **19.8628, 0.1867, 0.1382** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **76.3057, 0.4241, 0.4628**, and the grayscale version is **17.5879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5647, 0.2356, 0.2130**, and **7.4765, 0.1618, 0.1025** is the 20% darker color. If you saturate the color by 10%, you get **14.9497, 0.1718, 0.1113**, and if you desaturate by 10%, it is **26.2976, 0.2046, 0.1683**.

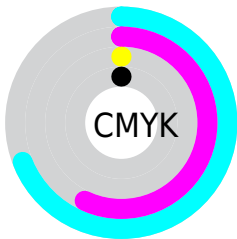
Distribution



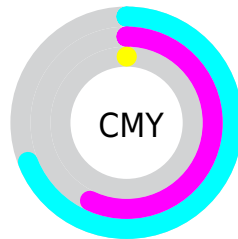
- Red (31%)
- Green (43%)
- Blue (100%)



- Red (31%)
- Yellow (41%)
- Blue (100%)



- Cyan (69%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8628, 0.1867, 0.1382 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 19.8628, 0.1867, 0.1382 by changing the saturation by 10% instead.


 19.8628, 0.1867,
0.1382


 19.8628, 0.1867,
0.1382


251.1714, 0.2532,
0.2279


 12.2954, 0.1706,
0.1193


 43.1870, 0.2108,
0.1685


 6.9452, 0.1506,
0.0973


 59.7126, 0.2200,
0.1806

 3.4278, 0.1260,
0.0724


 79.9930, 0.2277,
0.1912

 1.3590, 0.0959,
0.0455

 104.4127, 0.2343,
0.2004

 0.1862, 0.0615,
0.0106

133.3559, 0.2400,
0.2085

 0.0000, 0.0011,
0.0000

167.2072, 0.2450,

 0.0000, 0.0000,

0.2157

0.0000

206.3509, 0.2494,
0.2222

■ 19.8628, 0.1867,
0.1382

■ 19.8628, 0.1867,
0.1382

■ 14.9497, 0.1718,
0.1113

■ 26.2976, 0.2046,
0.1683

■ 11.4259, 0.1608,
0.0895

■ 34.3684, 0.2241,
0.1996

■ 9.1282, 0.1541,
0.0739

■ 44.1795, 0.2442,
0.2305

■ 8.8824, 0.1534,
0.0722

■ 55.8259, 0.2638,
0.2598

■ 69.3958, 0.2823,
0.2866

■ 84.9715, 0.2994,
0.3106

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.



19.8628, 0.1200, 0.1350



19.8628, 0.1867, 0.1382



19.8628, 0.3088, 0.1714

Triad

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



19.8628, 0.1867, 0.1382



19.8628, 0.5820, 0.3895



19.8628, 0.1522, 0.4421

Complementary

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



19.8628, 0.1867, 0.1382



76.3057, 0.4241, 0.4628

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.



19.8628, 0.2556, 0.6066



19.8628, 0.1867, 0.1382



19.8628, 0.4991, 0.4917

Square

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



19.8628, 0.1867, 0.1382



19.8628, 0.5835, 0.3071



19.8628, 0.3787, 0.5934



19.8628, 0.1005, 0.2605

Rectangle

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



19.8628, 0.1867, 0.1382



19.8628, 0.4165, 0.2095



19.8628, 0.3787, 0.5934



19.8628, 0.1820, 0.5106

Sweetspot

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



19.8632, 0.1867, 0.1382



65.9360, 0.2780, 0.2803



78.7132, 0.2447, 0.3648



13.2972, 0.2729, 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.



19.8632, 0.1867, 0.1382



13.5967, 0.1675, 0.1032



18.4118, 0.2150, 0.1258



17.8620, 0.2979, 0.3085



4.7825, 0.1539, 0.0741



0.5959, 0.1588, 0.0916

Inverse Universe

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



28.1174, 0.5073, 0.3043



23.7915, 0.5641, 0.3073



83.9312, 0.3652, 0.5095



18.0360, 0.3268, 0.3251



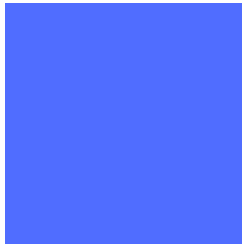
11.2108, 0.6165, 0.3170



1.1047, 0.5886, 0.3016

Previews

White Background



This preview shows how the Yxy color 19.8628, 0.1867, 0.1382 looks on a white background.

Color Contrast Check

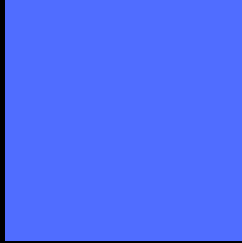
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8628, 0.1867, 0.1382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

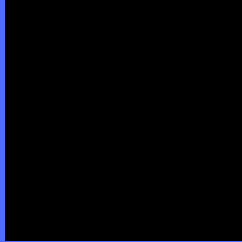
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8628, 0.1867, 0.1382

Background



This preview shows how black text looks on a background with the Yxy color 19.8628, 0.1867, 0.1382.



This preview shows how white text looks on a background with the Yxy color 19.8628, 0.1867, 0.1382.

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

19.8628, 0.1867, 0.1382

Protanopia

19.8590, 0.1737, 0.1454

Deuteranopia

19.6251, 0.1843, 0.1833



Tritanopia

19.6836, 0.2189, 0.3079

Trichromacy



Original Color

19.8628, 0.1867, 0.1382

Protanomaly

19.5510, 0.1750, 0.1413

Deuteranomaly

19.1680, 0.1813, 0.1625

Tritanomaly

18.7281, 0.1986, 0.2210

Monochromacy



Original Color

19.8628, 0.1867, 0.1382

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.7677, 0.2478, 0.2354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8628, 0.1867, 0.1382 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(80, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(80, 109, 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(80, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 109, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.8628, 0.1867, 0.1382 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(80, 109, 255) }
```

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

```
.border{ border-color:rgb(80, 109, 255) }
```

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

Here you see how a box with a 4 pixel rgb(80, 109, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 109,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8628, 0.1867, 0.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 109, 255) }
```

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

```
.background{ background-color: rgb(80, 109,  
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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