

Converting Colors

$Y_{xy}(20.3650, 0.1890, 0.1406)$

Have a look what the booklet for
Yxy(20.3650, 0.1890, 0.1406)
contains.

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Color

Yxy(20.3032, 0.1891, 0.1403)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 556EFF |
| RGB | 85, 110, 255 |
| RGB Percent | 33%, 43%, 100% |
| CMY | 0.6667, 0.5686, 0.0002 |
| CMYK | 0.67, 0.57, 0.00, 0.00 |
| HSL | 231°, 100%, 67% |
| HSV | 231°, 67%, 100% |
| XYZ | 27.3652, 20.3032, 97.0444 |
| YIQ | 119.0550, -61.4450, 39.7950 |

Conversions

Conversions Part 2

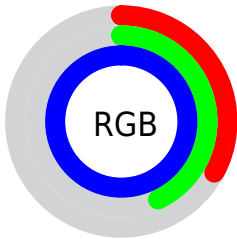
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 85, 107, 255 |
| Decimal | 5598975 |
| CIE _{Lab} | 52.18, 36.29, -74.92 |
| CIE _{LCh} | 52, 83.248, 295.842 |
| Y _{xy} | 20.3032, 0.1891, 0.1403 |
| Android (android.graphics.Color) | 4283789055 (0xFF556EFF) |
| Y _{UV} | 119.0550, 67.0209, -29.8662 |
| Hunter-Lab | 45.0591, 29.5529, -96.1524 |

Details

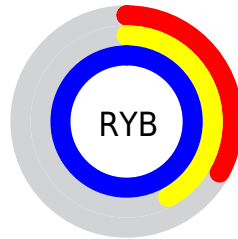
The Yxy color **20.3032, 0.1891, 0.1403** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **78.4623, 0.4195, 0.4627**, and the grayscale version is **18.2663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2890, 0.2384, 0.2150**, and **7.5862, 0.1622, 0.1038** is the 20% darker color. If you saturate the color by 10%, you get **15.1870, 0.1734, 0.1126**, and if you desaturate by 10%, it is **27.0009, 0.2075, 0.1711**.

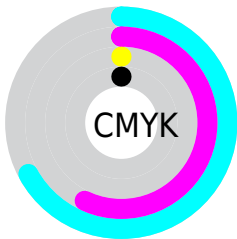
Distribution



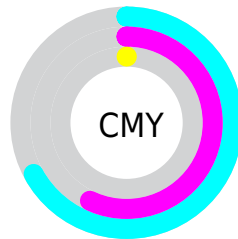
- Red (33%)
- Green (43%)
- Blue (100%)



- Red (33%)
- Yellow (42%)
- Blue (100%)



- Cyan (67%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3032, 0.1891, 0.1403 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 20.3032, 0.1891, 0.1403 by changing the saturation by 10% instead.


 20.3032, 0.1891,
0.1403

 20.3032, 0.1891,
0.1403


253.5518, 0.2544,
0.2291


 12.6156, 0.1732,
0.1215


 43.9249, 0.2128,
0.1703

 7.1644, 0.1536,
0.0997

 60.6279, 0.2218,
0.1823

 3.5651, 0.1292,
0.0748


 81.1048, 0.2294,
0.1927

 1.4334, 0.0993,
0.0477

 105.7400, 0.2358,
0.2019

 0.2412, 0.0647,
0.0136

134.9179, 0.2414,
0.2099

 0.0000, 0.0065,
0.0000

169.0229, 0.2463,

 0.0000, 0.0000,

0.2170

0.0000

208.4394, 0.2506,
0.2234

■ 20.3032, 0.1891,
0.1403

■ 20.3032, 0.1891,
0.1403

■ 15.1870, 0.1734,
0.1126

■ 27.0009, 0.2075,
0.1711

■ 11.5163, 0.1617,
0.0900

■ 35.3970, 0.2275,
0.2030

■ 9.1329, 0.1544,
0.0739

■ 45.5988, 0.2477,
0.2343

■ 8.5737, 0.1528,
0.0700

■ 57.7044, 0.2673,
0.2637

■ 71.8048, 0.2857,
0.2906

■ 87.9848, 0.3025,
0.3146

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



20.3032, 0.1223, 0.1369



20.3032, 0.1891, 0.1403



20.3032, 0.3104, 0.1736

Triad

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



20.3032, 0.1891, 0.1403



20.3032, 0.5787, 0.3911



20.3032, 0.1539, 0.4385

Complementary

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



20.3032, 0.1891, 0.1403



78.4623, 0.4195, 0.4627

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.



20.3032, 0.2562, 0.6008



20.3032, 0.1891, 0.1403



20.3032, 0.4966, 0.4916

Square

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



20.3032, 0.1891, 0.1403



20.3032, 0.5801, 0.3088



20.3032, 0.3783, 0.5910



20.3032, 0.1025, 0.2609

Rectangle

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



20.3032, 0.1891, 0.1403



20.3032, 0.4165, 0.2116



20.3032, 0.3783, 0.5910



20.3032, 0.1834, 0.5055

Sweetspot

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



20.3037, 0.1891, 0.1403



66.8990, 0.2797, 0.2819



79.1041, 0.2444, 0.3600



13.4675, 0.2746, 0.2744



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.



20.3037, 0.1891, 0.1403



13.8137, 0.1691, 0.1044



19.6860, 0.2204, 0.1319



17.8091, 0.2979, 0.3081



4.6106, 0.1533, 0.0717



0.5711, 0.1579, 0.0884

Inverse Universe

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



28.8736, 0.5031, 0.3072



24.2222, 0.5609, 0.3094



83.8105, 0.3628, 0.5066



18.0306, 0.3271, 0.3255



11.1934, 0.6204, 0.3191



1.1022, 0.5937, 0.3044

Previews

White Background



This preview shows how the Yxy color 20.3032, 0.1891, 0.1403 looks on a white background.

Color Contrast Check

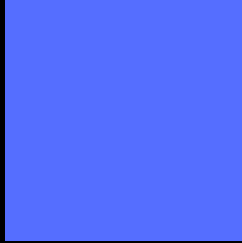
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3032, 0.1891, 0.1403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

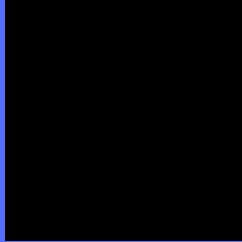
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3032, 0.1891, 0.1403

Background



This preview shows how black text looks on a background with the Yxy color 20.3032, 0.1891, 0.1403.



This preview shows how white text looks on a background with the Yxy color 20.3032, 0.1891, 0.1403.

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

20.3032, 0.1891, 0.1403

Protanopia

20.2855, 0.1735, 0.1447

Deuteranopia

20.2932, 0.1843, 0.1836



Tritanopia

20.0294, 0.2183, 0.3060

Trichromacy



Original Color

20.3032, 0.1891, 0.1403

Protanomaly

19.9378, 0.1752, 0.1415

Deuteranomaly

19.7922, 0.1819, 0.1639

Tritanomaly

19.0579, 0.1992, 0.2217

Monochromacy



Original Color

20.3032, 0.1891, 0.1403

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4437, 0.2503, 0.2383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3032, 0.1891, 0.1403 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(85, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 110, 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(85, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 110, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.3032, 0.1891, 0.1403 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(85, 110, 255) }
```

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

```
.border{ border-color:rgb(85, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 110,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3032, 0.1891, 0.1403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 110, 255) }
```

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

```
.background{ background-color: rgb(85, 110,  
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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