

Converting Colors

$Y_{xy}(20.0679, 0.1914, 0.1468)$

Have a look what the booklet for
Yxy(20.0679, 0.1914, 0.1468)
contains.

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Color

Yxy(19.9691, 0.1913, 0.1462)

Conversions

Conversions Part 1

Format	Color
Hex	546FF7
RGB	84, 111, 247
RGB Percent	33%, 44%, 97%
CMY	0.6707, 0.5647, 0.0313
CMYK	0.66, 0.55, 0.00, 0.03
HSL	230°, 91%, 65%
HSV	230°, 66%, 97%
XYZ	26.1292, 19.9691, 90.4893
YIQ	118.4310, -59.7480, 36.5720

Conversions

Conversions Part 2

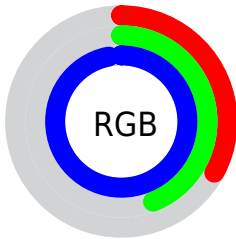
Format	Color
R _Y B	84, 107, 247
Decimal	5533687
CIE Lab	51.80, 32.86, -71.14
CIE LCh	52, 78.359, 294.794
Yxy	19.9691, 0.1913, 0.1462
Android (android.graphics.Color)	4283723767 (0xFF546FF7)
YUV	118.4310, 63.3845, -30.1960
Hunter-Lab	44.6868, 26.1704, -88.7795

Details

The Yxy color **19.9691, 0.1913, 0.1462** 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 **71.5999, 0.4205, 0.4593**, and the grayscale version is **18.0689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4502, 0.2373, 0.2159**, and **7.3845, 0.1635, 0.1085** is the 20% darker color. If you saturate the color by 10%, you get **15.0340, 0.1755, 0.1183**, and if you desaturate by 10%, it is **26.3441, 0.2097, 0.1767**.

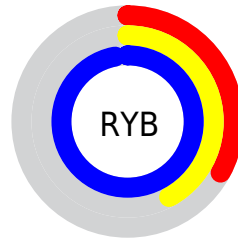
Distribution



Red (33%)

Green (44%)

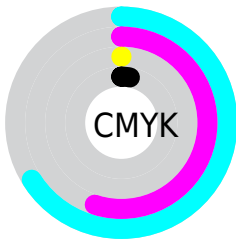
Blue (97%)



Red (33%)

Yellow (42%)

Blue (97%)

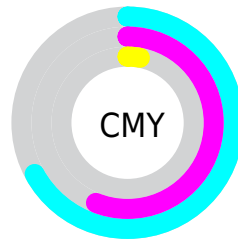


Cyan (66%)

Magenta (55%)

Yellow (0%)

Black (3%)



Cyan (67%)


Magenta (56%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9691, 0.1913, 0.1462 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 19.9691, 0.1913, 0.1462 by changing the saturation by 10% instead.


 19.9691, 0.1913,
0.1462


 19.9691, 0.1913,
0.1462


251.7478, 0.2558,
0.2336


 12.3726, 0.1754,
0.1272


 43.3654, 0.2149,
0.1761


 6.9980, 0.1556,
0.1050


 59.9339, 0.2238,
0.1880

 3.4608, 0.1308,
0.0793

 80.2619, 0.2313,
0.1982

 1.3768, 0.1000,
0.0509

 104.7338, 0.2376,
0.2071

 0.1995, 0.0643,
0.0128

133.7339, 0.2431,
0.2150

 0.0000, 0.0000,
0.0000

167.6467, 0.2479,

0.2219

206.8565, 0.2521,
0.2281

■ 19.9691, 0.1913,
0.1462

■ 19.9691, 0.1913,
0.1462

■ 15.0340, 0.1755,
0.1183

■ 26.3441, 0.2097,
0.1767

■ 11.4203, 0.1634,
0.0950

■ 34.2609, 0.2295,
0.2080

■ 8.9921, 0.1556,
0.0776

■ 43.8135, 0.2494,
0.2385

■ 8.2990, 0.1535,
0.0724

■ 55.0880, 0.2688,
0.2671

■ 68.1643, 0.2869,
0.2931

■ 83.1174, 0.3035,
0.3164

■ 99.4967, 0.3173,
0.3366

Harmonies

Analogous

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



19.9691, 0.1274, 0.1443



19.9691, 0.1913, 0.1462



19.9691, 0.3062, 0.1778

Triad

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



19.9691, 0.1913, 0.1462



19.9691, 0.5706, 0.3901



19.9691, 0.1644, 0.4393

Complementary

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



19.9691, 0.1913, 0.1462



71.5999, 0.4205, 0.4593

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.



19.9691, 0.2656, 0.5868



19.9691, 0.1913, 0.1462



19.9691, 0.4956, 0.4852

Square

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



19.9691, 0.1913, 0.1462



19.9691, 0.5654, 0.3094



19.9691, 0.3842, 0.5781



19.9691, 0.1112, 0.2702

Rectangle

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



19.9691, 0.1913, 0.1462



19.9691, 0.4063, 0.2143



19.9691, 0.3842, 0.5781



19.9691, 0.1939, 0.5008

Sweetspot

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



19.9696, 0.1913, 0.1462



67.3718, 0.2798, 0.2830



73.5770, 0.2459, 0.3632



13.5786, 0.2746, 0.2756



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.



19.9696, 0.1913, 0.1462



14.7993, 0.1713, 0.1104



18.4841, 0.2195, 0.1330



16.3705, 0.2979, 0.3086



4.5241, 0.1540, 0.0744



0.5232, 0.1595, 0.0942

Inverse Universe

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



27.2622, 0.4954, 0.3042



24.5439, 0.5518, 0.3060



78.4683, 0.3645, 0.5037



16.5273, 0.3268, 0.3251



10.5561, 0.6160, 0.3167



0.9405, 0.5847, 0.2994

Previews

White Background



This preview shows how the Yxy color 19.9691, 0.1913, 0.1462 looks on a white background.

Color Contrast Check

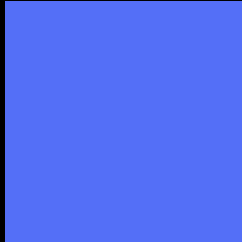
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9691, 0.1913, 0.1462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

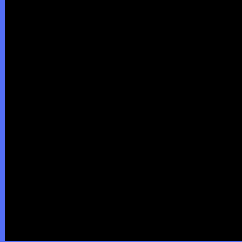
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9691, 0.1913, 0.1462

Background



This preview shows how black text looks on a background with the Yxy color 19.9691, 0.1913, 0.1462.



This preview shows how white text looks on a background with the Yxy color 19.9691, 0.1913, 0.1462.

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

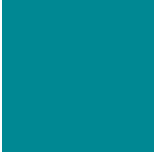
19.9691, 0.1913, 0.1462

Protanopia

19.9851, 0.1734, 0.1441

Deuteranopia

19.9837, 0.1842, 0.1830



Tritanopia

19.7149, 0.2183, 0.3059

Trichromacy



Original Color

19.9691, 0.1913, 0.1462

Protanomaly

19.4549, 0.1757, 0.1427

Deuteranomaly

19.6232, 0.1827, 0.1664

Tritanomaly

18.8889, 0.2008, 0.2272

Monochromacy



Original Color

19.9691, 0.1913, 0.1462

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0423, 0.2516, 0.2406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9691, 0.1913, 0.1462 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(84, 111, 247)` looks like.

```
.text, #text, p{  
    color:rgb(84, 111, 247)  
}
```

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(84, 111, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 111, 247) }
```

Border

The CSS property to change the border of an element to Yxy 19.9691, 0.1913, 0.1462 is called "border". The border property can be set on classes, ids or directly on the HTML element.

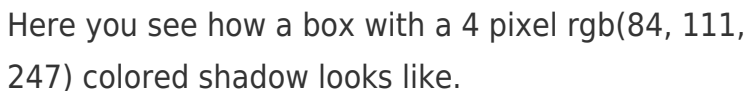
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 111, 247) }
```

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

```
.border{ border-color:rgb(84, 111, 247) }
```

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



Here you see how a box with a 4 pixel rgb(84, 111, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 111, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 111, 247);  
box-shadow:4px 4px 4px 4px rgb(84, 111,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9691, 0.1913, 0.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 111, 247) }
```

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

```
.background{ background-color: rgb(84, 111,  
247) }
```

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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