

Converting Colors

$Y_{xy}(19.6539, 0.1835, 0.1522)$

Have a look what the booklet for
Yxy(19.6539, 0.1835, 0.1522)
contains.

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Color

Yxy(19.6539, 0.1835, 0.1522)

Conversions

Conversions Part 1

Format	Color
Hex	3774F1
RGB	55, 116, 241
RGB Percent	22%, 45%, 95%
CMY	0.7848, 0.5451, 0.0548
CMYK	0.77, 0.52, 0.00, 0.05
HSL	220°, 87%, 58%
HSV	220°, 77%, 95%
XYZ	23.6957, 19.6539, 85.7824
YIQ	112.0110, -76.4810, 25.9430

Conversions

Conversions Part 2

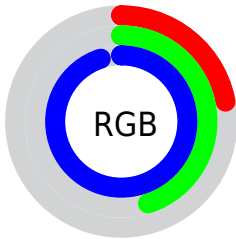
Format	Color
R _Y B	55, 101, 241
Decimal	3634417
CIE Lab	51.44, 23.98, -68.44
CIE LCh	51, 72.517, 289.313
Yxy	19.6539, 0.1835, 0.1522
Android (android.graphics.Color)	4281824497 (0xFF3774F1)
YUV	112.0110, 63.5916, -49.9986
Hunter-Lab	44.3327, 17.8256, -83.6914

Details

The Yxy color **19.6539, 0.1835, 0.1522** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **51.5821, 0.4608, 0.4462**, and the grayscale version is **16.0259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4466, 0.2261, 0.2188**, and **7.7169, 0.1664, 0.1192** is the 20% darker color. If you saturate the color by 10%, you get **15.7206, 0.1722, 0.1290**, and if you desaturate by 10%, it is **24.5703, 0.1977, 0.1774**.

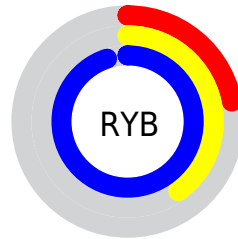
Distribution



Red (22%)

Green (45%)

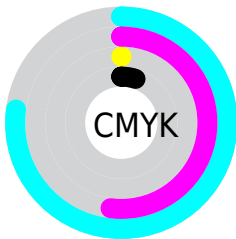
Blue (95%)



Red (22%)

Yellow (40%)

Blue (95%)

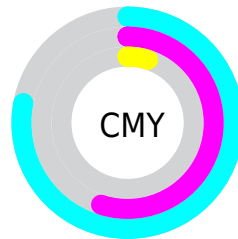


Cyan (77%)

Magenta (52%)

Yellow (0%)

Black (5%)



Cyan (78%)


Magenta (55%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6539, 0.1835, 0.1522 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 19.6539, 0.1835, 0.1522 by changing the saturation by 10% instead.


 19.6539, 0.1835,
0.1522


 19.6539, 0.1835,
0.1522


250.0353, 0.2516,
0.2385


 12.1437, 0.1668,
0.1330


 42.8362, 0.2083,
0.1821


 6.8416, 0.1461,
0.1102

 59.2770, 0.2177,
0.1939

 3.3633, 0.1204,
0.0836

 79.4636, 0.2256,
0.2040

 1.3242, 0.0889,
0.0538

 103.7802, 0.2324,
0.2128

 0.1598, 0.0530,
0.0115

132.6113, 0.2382,
0.2204

 0.0000, 0.0000,
0.0000

166.3412, 0.2432,

0.2272

205.3544, 0.2477,
0.2332

■ 19.6539, 0.1835,
0.1522

■ 19.6539, 0.1835,
0.1522

■ 15.7206, 0.1722,
0.1290

■ 24.5703, 0.1977,
0.1774

■ 12.6795, 0.1641,
0.1089

■ 30.5422, 0.2141,
0.2035

■ 11.9656, 0.1622,
0.1039

■ 37.6357, 0.2317,
0.2292

■ 45.9105, 0.2498,
0.2539

■ 55.4215, 0.2678,
0.2769

66.2201, 0.2852,
0.2979

78.3543, 0.3016,
0.3167

91.8698, 0.3168,
0.3334

99.1323, 0.3208,
0.3424

Harmonies

Analogous

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



19.6539, 0.1290, 0.1564



19.6539, 0.1835, 0.1522



19.6539, 0.2840, 0.1777

Triad

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



19.6539, 0.1835, 0.1522



19.6539, 0.5630, 0.3769



19.6539, 0.1891, 0.4626

Complementary

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



19.6539, 0.1835, 0.1522



51.5821, 0.4608, 0.4462

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.



19.6539, 0.2922, 0.5766



19.6539, 0.1835, 0.1522



19.6539, 0.5059, 0.4647

Square

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



19.6539, 0.1835, 0.1522



19.6539, 0.5371, 0.2997



19.6539, 0.4056, 0.5525



19.6539, 0.1274, 0.2998

Rectangle

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



19.6539, 0.1835, 0.1522



19.6539, 0.3745, 0.2100



19.6539, 0.4056, 0.5525



19.6539, 0.2203, 0.5143

Sweetspot

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



19.6544, 0.1835, 0.1522



67.9146, 0.2752, 0.2859



66.9879, 0.2548, 0.4147



13.6153, 0.2688, 0.2781



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.



19.6544, 0.1835, 0.1522



15.6628, 0.1669, 0.1164



11.0480, 0.1811, 0.0949



16.0765, 0.2980, 0.3127



6.7062, 0.1630, 0.1067



0.7329, 0.1702, 0.1328

Inverse Universe

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



22.6878, 0.4961, 0.2759



22.5272, 0.5504, 0.2847



76.9017, 0.3890, 0.5094



15.8444, 0.3242, 0.3213



10.4703, 0.5658, 0.2891



0.8887, 0.5288, 0.2687

Previews

White Background



This preview shows how the Yxy color 19.6539, 0.1835, 0.1522 looks on a white background.

Color Contrast Check

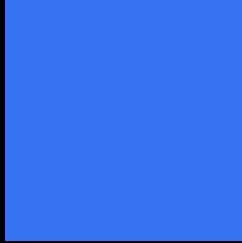
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6539, 0.1835, 0.1522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

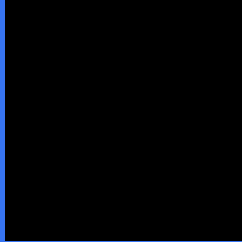
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6539, 0.1835, 0.1522

Background



This preview shows how black text looks on a background with the Yxy color 19.6539, 0.1835, 0.1522.



This preview shows how white text looks on a background with the Yxy color 19.6539, 0.1835, 0.1522.

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

19.6539, 0.1835, 0.1522

Protanopia

19.6057, 0.1791, 0.1505

Deuteranopia

19.3732, 0.1838, 0.1817



Tritanopia

19.3723, 0.2188, 0.3077

Trichromacy



Original Color

19.6539, 0.1835, 0.1522

Protanomaly

19.6689, 0.1807, 0.1517

Deuteranomaly

19.2597, 0.1820, 0.1692

Tritanomaly

18.8824, 0.2003, 0.2328

Monochromacy



Original Color

19.6539, 0.1835, 0.1522

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.5376, 0.2418, 0.2427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6539, 0.1835, 0.1522 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(55, 116, 241)` looks like.

```
.text, #text, p{  
    color:rgb(55, 116, 241)  
}
```

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(55, 116, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 116, 241) }
```

Border

The CSS property to change the border of an element to Yxy 19.6539, 0.1835, 0.1522 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(55, 116, 241) }
```

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

```
.border{ border-color:rgb(55, 116, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 116, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 116, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 116, 241);  
box-shadow:4px 4px 4px 4px rgb(55, 116,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6539, 0.1835, 0.1522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 116, 241) }
```

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

```
.background{ background-color: rgb(55, 116,  
241) }
```

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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