

Converting Colors

$Y_{xy}(19.7030, 0.1863, 0.1518)$

Have a look what the booklet for
Yxy(19.7030, 0.1863, 0.1518)
contains.

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Color

Yxy(19.7362, 0.1865, 0.1522)

Conversions

Conversions Part 1

Format	Color
Hex	4173F1
RGB	65, 115, 241
RGB Percent	25%, 45%, 95%
CMY	0.7453, 0.5490, 0.0549
CMYK	0.73, 0.52, 0.00, 0.05
HSL	223°, 86%, 60%
HSV	223°, 73%, 95%
XYZ	24.1840, 19.7362, 85.7526
YIQ	114.4140, -70.2460, 28.5860

Conversions

Conversions Part 2

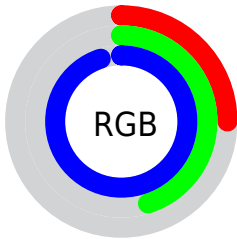
Format	Color
RYB	65, 104, 241
Decimal	4289521
CIELab	51.54, 25.72, -68.25
CIELCh	52, 72.939, 290.652
Yxy	19.7362, 0.1865, 0.1522
Android (android.graphics.Color)	4282479601 (0xFF4173F1)
YUV	114.4140, 62.4069, -43.3361
Hunter-Lab	44.4254, 19.4259, -83.3473

Details

The Yxy color **19.7362, 0.1865, 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 **56.3095, 0.4465, 0.4502**, and the grayscale version is **16.7791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5608, 0.2292, 0.2184**, and **7.5949, 0.1660, 0.1176** is the 20% darker color. If you saturate the color by 10%, you get **15.5107, 0.1736, 0.1274**, and if you desaturate by 10%, it is **25.0490, 0.2022, 0.1791**.

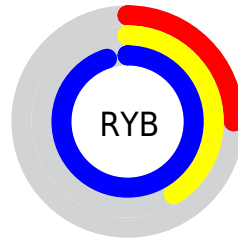
Distribution



Red (25%)

Green (45%)

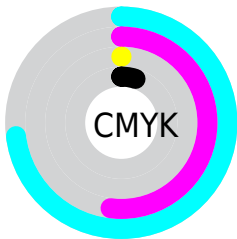
Blue (95%)



Red (25%)

Yellow (41%)

Blue (95%)

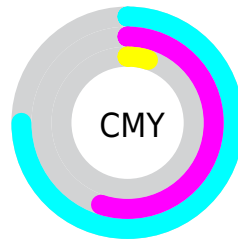


Cyan (73%)

Magenta (52%)

Yellow (0%)

Black (5%)



Cyan (75%)

Magenta (55%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7362, 0.1865, 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 19.7362, 0.1865, 0.1522 by changing the saturation by 10% instead.

■ 19.7362, 0.1865,
0.1522

■ 19.7362, 0.1865,
0.1522

250.4834, 0.2533,
0.2383

■ 12.2034, 0.1701,
0.1331

■ 42.9745, 0.2109,
0.1820

■ 6.8824, 0.1496,
0.1104

■ 59.4487, 0.2201,
0.1938

■ 3.3886, 0.1241,
0.0839

■ 79.6723, 0.2278,
0.2038

■ 1.3378, 0.0926,
0.0541

■ 104.0296, 0.2344,
0.2126

■ 0.1702, 0.0566,
0.0122

132.9049, 0.2401,
0.2203

■ 0.0000, 0.0000,
0.0000

166.6828, 0.2451,

0.2270

205.7475, 0.2494,
0.2330

■ 19.7362, 0.1865,
0.1522

■ 19.7362, 0.1865,
0.1522

■ 15.5107, 0.1736,
0.1274

■ 25.0490, 0.2022,
0.1791

■ 12.2816, 0.1641,
0.1060

■ 31.5250, 0.2197,
0.2066

■ 10.5513, 0.1593,
0.0935

■ 39.2345, 0.2382,
0.2336

■ 48.2412, 0.2568,
0.2593

■ 58.6043, 0.2749,
0.2830

70.3789, 0.2921,
0.3045

83.6171, 0.3081,
0.3236

97.8458, 0.3210,
0.3405

99.1308, 0.3209,
0.3425

Harmonies

Analogous

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



19.7362, 0.1301, 0.1550



19.7362, 0.1865, 0.1522



19.7362, 0.2894, 0.1790

Triad

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



19.7362, 0.1865, 0.1522



19.7362, 0.5628, 0.3804



19.7362, 0.1847, 0.4557

Complementary

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



19.7362, 0.1865, 0.1522



56.3095, 0.4465, 0.4502

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.



19.7362, 0.2868, 0.5758



19.7362, 0.1865, 0.1522



19.7362, 0.5025, 0.4690

Square

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



19.7362, 0.1865, 0.1522



19.7362, 0.5413, 0.3028



19.7362, 0.4007, 0.5564



19.7362, 0.1251, 0.2934

Rectangle

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



19.7362, 0.1865, 0.1522



19.7362, 0.3811, 0.2122



19.7362, 0.4007, 0.5564



19.7362, 0.2154, 0.5089

Sweetspot

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



19.7367, 0.1865, 0.1522



67.8760, 0.2767, 0.2852



67.6702, 0.2530, 0.4007



13.7997, 0.2719, 0.2791



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.



19.7367, 0.1865, 0.1522



15.5862, 0.1682, 0.1158



12.8419, 0.1914, 0.1067



15.9608, 0.2980, 0.3116



5.9196, 0.1601, 0.0962



0.6558, 0.1671, 0.1217

Inverse Universe

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



23.7120, 0.4935, 0.2837



23.0350, 0.5496, 0.2893



76.3822, 0.3831, 0.5063



15.8328, 0.3248, 0.3223



10.3909, 0.5816, 0.2978



0.8809, 0.5443, 0.2772

Previews

White Background



This preview shows how the Yxy color 19.7362, 0.1865, 0.1522 looks on a white background.

Color Contrast Check

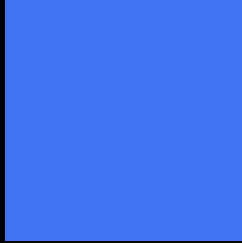
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7362, 0.1865, 0.1522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

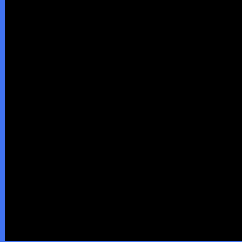
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

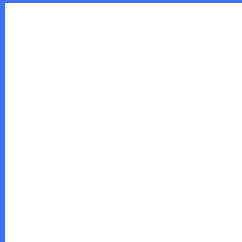
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7362, 0.1865, 0.1522

Background



This preview shows how black text looks on a background with the Yxy color 19.7362, 0.1865, 0.1522.



This preview shows how white text looks on a background with the Yxy color 19.7362, 0.1865, 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

19.7362, 0.1865, 0.1522

Protanopia

19.8636, 0.1789, 0.1510

Deuteranopia

19.6770, 0.1840, 0.1823



Tritanopia

19.6527, 0.2194, 0.3099

Trichromacy



Original Color

19.7362, 0.1865, 0.1522

Protanomaly

19.7980, 0.1812, 0.1513

Deuteranomaly

19.3599, 0.1823, 0.1685

Tritanomaly

18.9278, 0.2011, 0.2330

Monochromacy



Original Color

19.7362, 0.1865, 0.1522

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.0595, 0.2459, 0.2441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7362, 0.1865, 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(65, 115, 241)` looks like.

```
.text, #text, p{  
    color:rgb(65, 115, 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(65, 115, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 115, 241) }
```

Border

The CSS property to change the border of an element to Yxy 19.7362, 0.1865, 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(65, 115, 241) }
```

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

```
.border{ border-color:rgb(65, 115, 241) }
```

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

Here you see how a box with a 4 pixel rgb(65, 115, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 115, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 115, 241);  
box-shadow:4px 4px 4px 4px rgb(65, 115,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7362, 0.1865, 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(65, 115, 241) }
```

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

```
.background{ background-color: rgb(65, 115,  
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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