

Converting Colors

$Yxy(20.8219, 0.1850, 0.1438)$

Have a look what the booklet for
Yxy(20.8219, 0.1850, 0.1438)
contains.

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Color

Yxy(20.8211, 0.1849, 0.1438)

Conversions

Conversions Part 1

Format	Color
Hex	4773FF
RGB	71, 115, 255
RGB Percent	28%, 45%, 100%
CMY	0.7219, 0.5489, 0.0001
CMYK	0.72, 0.55, 0.00, 0.00
HSL	226°, 100%, 64%
HSV	226°, 72%, 100%
XYZ	26.7721, 20.8211, 97.1989
YIQ	117.8040, -71.1640, 34.2120

Conversions

Conversions Part 2

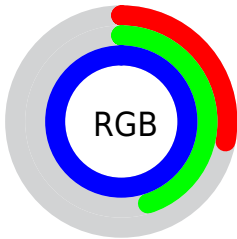
Format	Color
R _Y B	71, 107, 255
Decimal	4682751
CIE Lab	52.75, 31.41, -74.03
CIE LCh	53, 80.420, 292.988
Yxy	20.8211, 0.1849, 0.1438
Android (android.graphics.Color)	4282872831 (0xFF4773FF)
YUV	117.8040, 67.6376, -41.0471
Hunter-Lab	45.6301, 24.8765, -94.3553

Details

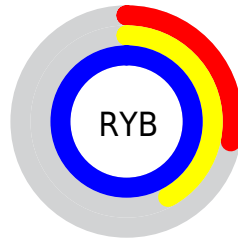
The Yxy color **20.8211, 0.1849, 0.1438** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **68.2429, 0.4389, 0.4564**, and the grayscale version is **17.8501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1552, 0.2333, 0.2195**, and **8.1655, 0.1640, 0.1102** is the 20% darker color. If you saturate the color by 10%, you get **16.0849, 0.1715, 0.1184**, and if you desaturate by 10%, it is **26.8923, 0.2012, 0.1718**.

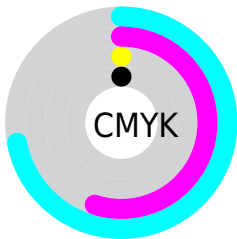
Distribution



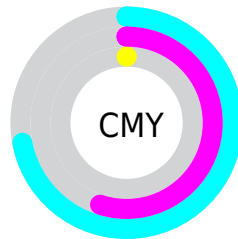
- Red (28%)
- Green (45%)
- Blue (100%)



- Red (28%)
- Yellow (42%)
- Blue (100%)



- Cyan (72%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8211, 0.1849, 0.1438 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 20.8211, 0.1849, 0.1438 by changing the saturation by 10% instead.


 20.8211, 0.1849,
0.1438


 20.8211, 0.1849,
0.1438


256.3262, 0.2517,
0.2315


 12.9933, 0.1688,
0.1251


 44.7896, 0.2090,
0.1736

 7.4239, 0.1490,
0.1032


 61.6991, 0.2182,
0.1854

 3.7286, 0.1246,
0.0782


 82.4046, 0.2260,
0.1957

 1.5229, 0.0948,
0.0506

 107.2905, 0.2326,
0.2047

 0.3048, 0.0605,
0.0172

136.7412, 0.2384,
0.2126

 0.0000, 0.0004,
0.0000

171.1412, 0.2434,

 0.0000, 0.0000,

0.2196

0.0000

210.8747, 0.2478,
0.2259

■ 20.8211, 0.1849,
0.1438

■ 20.8211, 0.1849,
0.1438

■ 16.0849, 0.1715,
0.1184

■ 26.8923, 0.2012,
0.1718

■ 12.5689, 0.1618,
0.0971

■ 34.3957, 0.2195,
0.2009

■ 10.5654, 0.1567,
0.0839

■ 43.4204, 0.2386,
0.2296

■ 54.0475, 0.2577,
0.2568

■ 66.3522, 0.2762,
0.2820

■ 80.4046, 0.2935,
0.3047

■ 96.2709, 0.3094,
0.3249

■ 99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



20.8211, 0.1234, 0.1437



20.8211, 0.1849, 0.1438



20.8211, 0.2975, 0.1738

Triad

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



20.8211, 0.1849, 0.1438



20.8211, 0.5753, 0.3844



20.8211, 0.1677, 0.4523

Complementary

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



20.8211, 0.1849, 0.1438



68.2429, 0.4389, 0.4564

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.



20.8211, 0.2715, 0.5944



20.8211, 0.1849, 0.1438



20.8211, 0.5026, 0.4795

Square

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



20.8211, 0.1849, 0.1438



20.8211, 0.5643, 0.3041



20.8211, 0.3910, 0.5758



20.8211, 0.1113, 0.2774

Rectangle

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



20.8211, 0.1849, 0.1438



20.8211, 0.3978, 0.2095



20.8211, 0.3910, 0.5758



20.8211, 0.1983, 0.5137

Sweetspot

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



20.8216, 0.1849, 0.1438



66.6055, 0.2765, 0.2824



77.4465, 0.2494, 0.3874



13.5038, 0.2716, 0.2758



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.



20.8216, 0.1849, 0.1438



14.2491, 0.1663, 0.1076



15.4937, 0.1984, 0.1113



18.0842, 0.2979, 0.3104



5.7124, 0.1574, 0.0864



0.7167, 0.1630, 0.1069

Inverse Universe

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



26.9918, 0.5033, 0.2916



23.0328, 0.5608, 0.2971



85.5123, 0.3765, 0.5096



18.0584, 0.3256, 0.3233



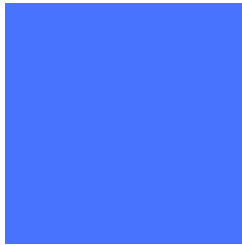
11.3046, 0.5968, 0.3061



1.1169, 0.5656, 0.2889

Previews

White Background



This preview shows how the Yxy color 20.8211, 0.1849, 0.1438 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 20.8211, 0.1849, 0.1438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

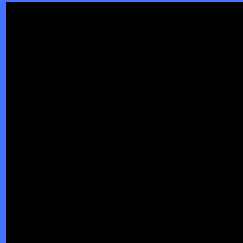
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8211, 0.1849, 0.1438

Background



This preview shows how black text looks on a background with the Yxy color 20.8211, 0.1849, 0.1438.



This preview shows how white text looks on a background with the Yxy color 20.8211, 0.1849, 0.1438.

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

20.8211, 0.1849, 0.1438

Protanopia

20.7631, 0.1746, 0.1452

Deuteranopia

20.6588, 0.1843, 0.1833



Tritanopia

20.6352, 0.2190, 0.3083

Trichromacy



Original Color

20.8211, 0.1849, 0.1438

Protanomaly

20.5519, 0.1766, 0.1437

Deuteranomaly

20.2687, 0.1816, 0.1657

Tritanomaly

19.8157, 0.1992, 0.2257

Monochromacy



Original Color

20.8211, 0.1849, 0.1438

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3164, 0.2450, 0.2388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8211, 0.1849, 0.1438 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(71, 115, 255)` looks like.

```
.text, #text, p{  
  color:rgb(71, 115, 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(71, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.8211, 0.1849, 0.1438 is called "border". The border property can be set on classes, ids or directly on the HTML element.

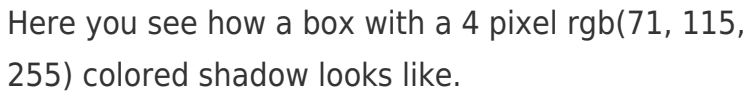
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 115, 255) }
```

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

```
.border{ border-color:rgb(71, 115, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 115, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 115, 255); box-shadow:4px 4px 4px 4px rgb(71, 115, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8211, 0.1849, 0.1438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 115, 255) }
```

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

```
.background{ background-color: rgb(71, 115,  
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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