

Converting Colors

$Y_{xy}(24.3619, 0.1923, 0.1611)$

Have a look what the booklet for
Yxy(24.3619, 0.1923, 0.1611)
contains.

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Color

Yxy(24.3638, 0.1923, 0.1611)

Conversions

Conversions Part 1

Format	Color
Hex	5080FF
RGB	80, 128, 255
RGB Percent	31%, 50%, 100%
CMY	0.6860, 0.4981, 0.0000
CMYK	0.69, 0.50, 0.00, 0.00
HSL	224°, 100%, 66%
HSV	224°, 69%, 100%
XYZ	29.0823, 24.3638, 97.7879
YIQ	128.1260, -69.3750, 29.3210

Conversions

Conversions Part 2

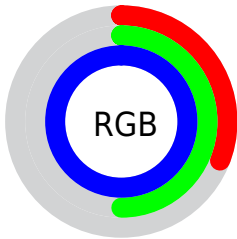
Format	Color
R _Y B	80, 118, 255
Decimal	5275903
CIE Lab	56.45, 24.64, -68.05
CIE LCh	56, 72.371, 289.905
Yxy	24.3638, 0.1923, 0.1611
Android (android.graphics.Color)	4283465983 (0xFF5080FF)
YUV	128.1260, 62.5489, -42.2065
Hunter-Lab	49.3597, 18.7912, -82.9093

Details

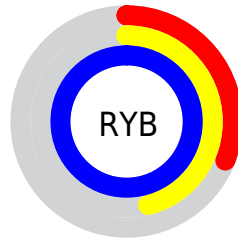
The Yxy color **24.3638, 0.1923, 0.1611** is a light color, and the websafe version is hex **3366CC**. The color can be described as light muted azure. A complement of this color would be **66.5020, 0.4378, 0.4477**, and the grayscale version is **21.4341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0656, 0.2398, 0.2380**, and **9.7685, 0.1687, 0.1273** is the 20% darker color. If you saturate the color by 10%, you get **19.0588, 0.1780, 0.1350**, and if you desaturate by 10%, it is **30.9707, 0.2091, 0.1888**.

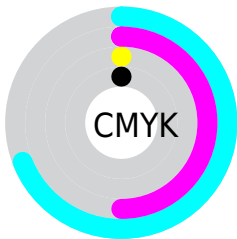
Distribution



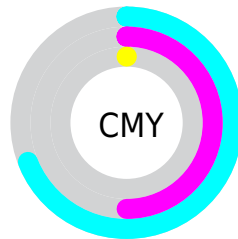
- Red (31%)
- Green (50%)
- Blue (100%)



- Red (31%)
- Yellow (46%)
- Blue (100%)



- Cyan (69%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (69%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3638, 0.1923, 0.1611 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 24.3638, 0.1923, 0.1611 by changing the saturation by 10% instead.


 24.3638, 0.1923,
0.1611


 24.3638, 0.1923,
0.1611


274.6546, 0.2544,
0.2412


 15.6037, 0.1774,
0.1435


 50.6232, 0.2146,
0.1886

 9.2442, 0.1589,
0.1226


 68.8913, 0.2231,
0.1995

 4.9008, 0.1360,
0.0979


 91.0976, 0.2304,
0.2089

 2.1892, 0.1074,
0.0694

 117.6264, 0.2366,
0.2170

 0.7141, 0.0730,
0.0383

148.8621, 0.2419,
0.2242

 0.0000, 0.0228,
0.0000

185.1891, 0.2466,

 0.0000, 0.0000,

0.2306

0.0000

226.9918, 0.2507,
0.2362

■ 24.3638, 0.1923,
0.1611

■ 24.3638, 0.1923,
0.1611

■ 19.0588, 0.1780,
0.1350

■ 30.9707, 0.2091,
0.1888

■ 14.9576, 0.1669,
0.1120

■ 38.9668, 0.2273,
0.2167

■ 11.9357, 0.1594,
0.0931

■ 48.4307, 0.2461,
0.2437

■ 11.5827, 0.1586,
0.0908

■ 59.4351, 0.2647,
0.2690

■ 72.0472, 0.2826,
0.2922

■ 86.3303, 0.2993,
0.3130

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.3638, 0.1386, 0.1651



24.3638, 0.1923, 0.1611



24.3638, 0.2888, 0.1862

Triad

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



24.3638, 0.1923, 0.1611



24.3638, 0.5484, 0.3801



24.3638, 0.1963, 0.4491

Complementary

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



24.3638, 0.1923, 0.1611



66.5020, 0.4378, 0.4477

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.



24.3638, 0.2945, 0.5563



24.3638, 0.1923, 0.1611



24.3638, 0.4965, 0.4635

Square

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



24.3638, 0.1923, 0.1611



24.3638, 0.5234, 0.3049



24.3638, 0.4025, 0.5419



24.3638, 0.1368, 0.3009

Rectangle

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



24.3638, 0.1923, 0.1611



24.3638, 0.3736, 0.2177



24.3638, 0.4025, 0.5419



24.3638, 0.2259, 0.4964

Sweetspot

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



24.3637, 0.1923, 0.1611



68.8734, 0.2784, 0.2869



77.6570, 0.2530, 0.3918



13.9846, 0.2735, 0.2805



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.



24.3637, 0.1923, 0.1611



17.5358, 0.1738, 0.1268



16.8159, 0.2005, 0.1188



18.1875, 0.2979, 0.3112



6.2639, 0.1593, 0.0935



0.7828, 0.1653, 0.1149

Inverse Universe

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



28.5649, 0.4802, 0.2857



24.1892, 0.5314, 0.2878



86.8667, 0.3793, 0.5003



18.0688, 0.3251, 0.3225



11.3603, 0.5858, 0.3001



1.1236, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 24.3638, 0.1923, 0.1611 looks on a white background.

Color Contrast Check

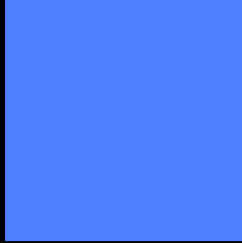
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3638, 0.1923, 0.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

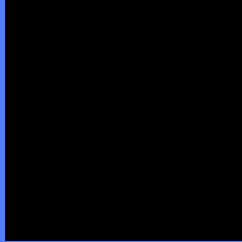
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

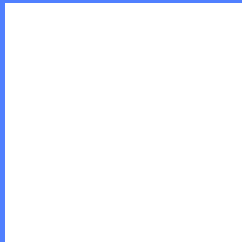
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3638, 0.1923, 0.1611

Background



This preview shows how black text looks on a background with the Yxy color 24.3638, 0.1923, 0.1611.



This preview shows how white text looks on a background with the Yxy color 24.3638, 0.1923, 0.1611.

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

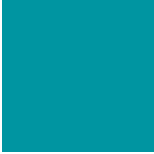
24.3638, 0.1923, 0.1611

Protanopia

24.3091, 0.1877, 0.1617

Deuteranopia

24.2422, 0.1830, 0.1787



Tritanopia

24.0681, 0.2183, 0.3058

Trichromacy



Original Color

24.3638, 0.1923, 0.1611

Protanomaly

24.2226, 0.1890, 0.1610

Deuteranomaly

23.9652, 0.1832, 0.1711

Tritanomaly

23.2511, 0.2025, 0.2368

Monochromacy



Original Color

24.3638, 0.1923, 0.1611

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8738, 0.2522, 0.2517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3638, 0.1923, 0.1611 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(80, 128, 255)` looks like.

```
.text, #text, p{  
  color:rgb(80, 128, 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(80, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.3638, 0.1923, 0.1611 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(80, 128, 255) }
```

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

```
.border{ border-color:rgb(80, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3638, 0.1923, 0.1611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 128, 255) }
```

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

```
.background{ background-color: rgb(80, 128,  
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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