

Converting Colors

$Yxy(23.5294, 0.1901, 0.1573)$

Have a look what the booklet for
Yxy(23.5294, 0.1901, 0.1573)
contains.

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Color

Yxy(23.4237, 0.1898, 0.1568)

Conversions

Conversions Part 1

Format	Color
Hex	4C7DFF
RGB	76, 125, 255
RGB Percent	30%, 49%, 100%
CMY	0.7024, 0.5097, 0.0001
CMYK	0.70, 0.51, 0.00, 0.00
HSL	224°, 100%, 65%
HSV	224°, 70%, 100%
XYZ	28.3534, 23.4237, 97.6087
YIQ	125.1690, -70.9340, 30.0420

Conversions

Conversions Part 2

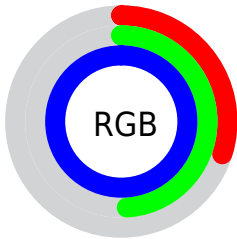
Format	Color
R _Y B	76, 114, 255
Decimal	5012991
CIE Lab	55.51, 25.87, -69.56
CIE LCh	56, 74.213, 290.402
Yxy	23.4237, 0.1898, 0.1568
Android (android.graphics.Color)	4283203071 (0xFF4C7DFF)
YUV	125.1690, 64.0067, -43.1212
Hunter-Lab	48.3980, 19.8756, -85.6969

Details

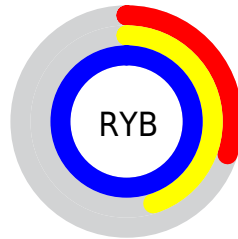
The Yxy color **23.4237, 0.1898, 0.1568** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **65.8409, 0.4406, 0.4493**, and the grayscale version is **20.3601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5936, 0.2374, 0.2338**, and **9.3390, 0.1675, 0.1228** is the 20% darker color. If you saturate the color by 10%, you get **18.3230, 0.1760, 0.1311**, and if you desaturate by 10%, it is **29.8116, 0.2062, 0.1843**.

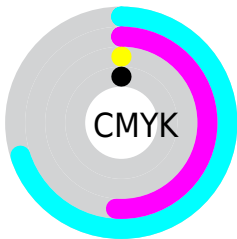
Distribution



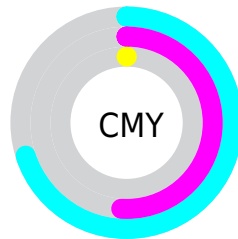
- Red (30%)
- Green (49%)
- Blue (100%)



- Red (30%)
- Yellow (45%)
- Blue (100%)



- Cyan (70%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4237, 0.1898, 0.1568 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 23.4237, 0.1898, 0.1568 by changing the saturation by 10% instead.


 23.4237, 0.1898,
0.1568


 23.4237, 0.1898,
0.1568


269.8938, 0.2533,
0.2389


 14.9067, 0.1745,
0.1389


 49.0881, 0.2127,
0.1849


 8.7539, 0.1557,
0.1177


 67.0043, 0.2214,
0.1961

 4.5810, 0.1323,
0.0928


 88.8223, 0.2288,
0.2057

 2.0036, 0.1034,
0.0644

 114.9266, 0.2351,
0.2141

 0.6096, 0.0690,
0.0332

145.7014, 0.2406,
0.2214

 0.0000, 0.0161,
0.0000

181.5313, 0.2454,

 0.0000, 0.0000,

0.2279

0.0000

222.8007, 0.2496,
0.2337

■ 23.4237, 0.1898,
0.1568

■ 23.4237, 0.1898,
0.1568

■ 18.3230, 0.1760,
0.1311

■ 29.8116, 0.2062,
0.1843

■ 14.4067, 0.1655,
0.1087

■ 37.5731, 0.2243,
0.2123

■ 11.5923, 0.1586,
0.0909

■ 46.7889, 0.2431,
0.2395

■ 57.5321, 0.2618,
0.2651

■ 69.8708, 0.2798,
0.2886

■ 83.8690, 0.2967,
0.3098

99.5867, 0.3124,
0.3286

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



23.4237, 0.1346, 0.1601



23.4237, 0.1898, 0.1568



23.4237, 0.2896, 0.1829

Triad

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



23.4237, 0.1898, 0.1568



23.4237, 0.5554, 0.3807



23.4237, 0.1904, 0.4516

Complementary

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



23.4237, 0.1898, 0.1568



65.8409, 0.4406, 0.4493

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.



23.4237, 0.2904, 0.5655



23.4237, 0.1898, 0.1568



23.4237, 0.4992, 0.4667

Square

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



23.4237, 0.1898, 0.1568



23.4237, 0.5324, 0.3042



23.4237, 0.4013, 0.5492



23.4237, 0.1310, 0.2968

Rectangle

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



23.4237, 0.1898, 0.1568



23.4237, 0.3778, 0.2153



23.4237, 0.4013, 0.5492



23.4237, 0.2204, 0.5018

Sweetspot

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



23.4244, 0.1898, 0.1568



68.8843, 0.2784, 0.2869



77.4040, 0.2525, 0.3936



13.9872, 0.2735, 0.2806



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.



23.4244, 0.1898, 0.1568



16.7186, 0.1716, 0.1222



15.9972, 0.1977, 0.1144



18.1886, 0.2979, 0.3112



6.2707, 0.1593, 0.0935



0.7836, 0.1653, 0.1150

Inverse Universe

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



27.8905, 0.4863, 0.2855



23.7438, 0.5387, 0.2887



86.6463, 0.3800, 0.5033



18.0690, 0.3251, 0.3225



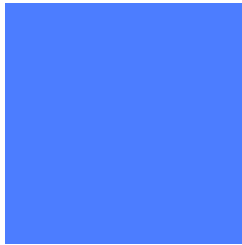
11.3610, 0.5857, 0.3000



1.1236, 0.5538, 0.2824

Previews

White Background



This preview shows how the Yxy color 23.4237, 0.1898, 0.1568 looks on a white background.

Color Contrast Check

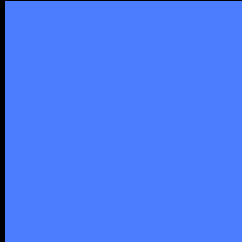
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4237, 0.1898, 0.1568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

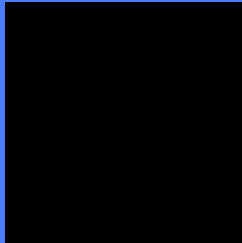
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

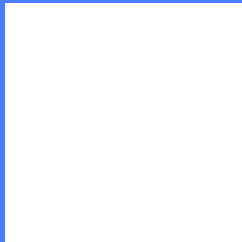
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4237, 0.1898, 0.1568

Background



This preview shows how black text looks on a background with the Yxy color 23.4237, 0.1898, 0.1568.



This preview shows how white text looks on a background with the Yxy color 23.4237, 0.1898, 0.1568.

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

23.4237, 0.1898, 0.1568

Protanopia

23.5282, 0.1847, 0.1582

Deuteranopia

23.3841, 0.1834, 0.1801



Tritanopia

23.3361, 0.2187, 0.3074

Trichromacy



Original Color

23.4237, 0.1898, 0.1568

Protanomaly

23.4887, 0.1864, 0.1577

Deuteranomaly

22.9505, 0.1826, 0.1692

Tritanomaly

22.5624, 0.2021, 0.2358

Monochromacy



Original Color

23.4237, 0.1898, 0.1568

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7716, 0.2495, 0.2486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4237, 0.1898, 0.1568 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(76, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 125, 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(76, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 125, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.4237, 0.1898, 0.1568 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(76, 125, 255) }
```

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

```
.border{ border-color:rgb(76, 125, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 125,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4237, 0.1898, 0.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 125, 255) }
```

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

```
.background{ background-color: rgb(76, 125,  
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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