

Converting Colors

$Y_{xy}(25.8650, 0.1825, 0.1401)$

Have a look what the booklet for
Yxy(25.8650, 0.1825, 0.1401)
contains.

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Color

Yxy(23.8946, 0.1901, 0.1591)

Conversions

Conversions Part 1

Format	Color
Hex	4B7FFF
RGB	75, 127, 255
RGB Percent	29%, 50%, 100%
CMY	0.7055, 0.5020, 0.0000
CMYK	0.71, 0.50, 0.00, 0.00
HSL	223°, 100%, 65%
HSV	223°, 71%, 100%
XYZ	28.5504, 23.8946, 97.7411
YIQ	126.0440, -72.0800, 28.7840

Conversions

Conversions Part 2

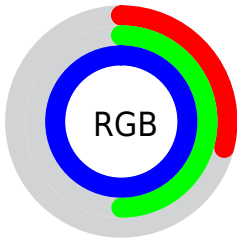
Format	Color
R _Y B	75, 115, 255
Decimal	4947967
CIE Lab	55.98, 24.59, -68.82
CIE LCh	56, 73.085, 289.662
Yxy	23.8946, 0.1901, 0.1591
Android (android.graphics.Color)	4283138047 (0xFF4B7FFF)
YUV	126.0440, 63.5753, -44.7656
Hunter-Lab	48.8821, 18.7121, -84.3345

Details

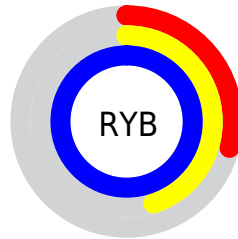
The Yxy color **23.8946, 0.1901, 0.1591** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **64.5408, 0.4431, 0.4476**, and the grayscale version is **20.6848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2998, 0.2373, 0.2362**, and **9.6232, 0.1683, 0.1258** is the 20% darker color. If you saturate the color by 10%, you get **18.7895, 0.1765, 0.1337**, and if you desaturate by 10%, it is **30.2531, 0.2063, 0.1862**.

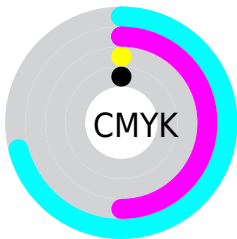
Distribution



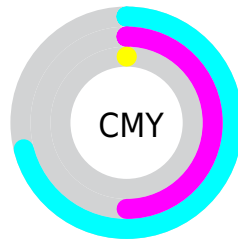
- Red (29%)
- Green (50%)
- Blue (100%)



- Red (29%)
- Yellow (45%)
- Blue (100%)



- Cyan (71%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8946, 0.1901, 0.1591 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 23.8946, 0.1901, 0.1591 by changing the saturation by 10% instead.


 23.8946, 0.1901,
0.1591


 23.8946, 0.1901,
0.1591


272.2872, 0.2533,
0.2402


 15.2555, 0.1749,
0.1413


 49.8581, 0.2128,
0.1869

 8.9989, 0.1562,
0.1203


 67.9513, 0.2215,
0.1979

 4.7404, 0.1330,
0.0954


 89.9647, 0.2289,
0.2074

 2.0958, 0.1042,
0.0670

 116.2825, 0.2352,
0.2157

 0.6623, 0.0699,
0.0358

147.2893, 0.2406,
0.2230

 0.0000, 0.0179,
0.0000

183.3694, 0.2454,

 0.0000, 0.0000,

0.2294

0.0000

224.9072, 0.2496,
0.2351

■ 23.8946, 0.1901,
0.1591

■ 23.8946, 0.1901,
0.1591

■ 18.7895, 0.1765,
0.1337

■ 30.2531, 0.2063,
0.1862

■ 14.8438, 0.1661,
0.1114

■ 37.9548, 0.2242,
0.2137

■ 12.0551, 0.1594,
0.0939

■ 47.0758, 0.2428,
0.2404

■ 57.6872, 0.2613,
0.2656

■ 69.8551, 0.2793,
0.2887

■ 83.6414, 0.2962,
0.3095

99.1043, 0.3119,
0.3281

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.



23.8946, 0.1363, 0.1633



23.8946, 0.1901, 0.1591



23.8946, 0.2873, 0.1842

Triad

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



23.8946, 0.1901, 0.1591



23.8946, 0.5517, 0.3792



23.8946, 0.1950, 0.4525

Complementary

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



23.8946, 0.1901, 0.1591



64.5408, 0.4431, 0.4476

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.



23.8946, 0.2944, 0.5609



23.8946, 0.1901, 0.1591



23.8946, 0.4989, 0.4636

Square

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



23.8946, 0.1901, 0.1591



23.8946, 0.5261, 0.3035



23.8946, 0.4036, 0.5440



23.8946, 0.1349, 0.3011

Rectangle

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



23.8946, 0.1901, 0.1591



23.8946, 0.3733, 0.2158



23.8946, 0.4036, 0.5440



23.8946, 0.2251, 0.5007

Sweetspot

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



23.8933, 0.1901, 0.1591



69.2697, 0.2785, 0.2877



77.2386, 0.2536, 0.3980



14.0777, 0.2736, 0.2815



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.



23.8933, 0.1901, 0.1591



16.8960, 0.1714, 0.1233



15.6513, 0.1953, 0.1126



18.2308, 0.2979, 0.3116



6.5191, 0.1602, 0.0967



0.8124, 0.1662, 0.1184

Inverse Universe

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



27.8381, 0.4838, 0.2830



23.5970, 0.5377, 0.2866



87.0927, 0.3822, 0.5024



18.0732, 0.3249, 0.3222



11.3861, 0.5809, 0.2974



1.1266, 0.5489, 0.2798

Previews

White Background



This preview shows how the Yxy color 23.8946, 0.1901, 0.1591 looks on a white background.

Color Contrast Check

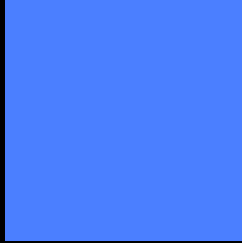
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8946, 0.1901, 0.1591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

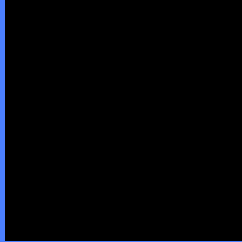
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

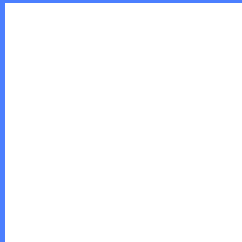
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8946, 0.1901, 0.1591

Background



This preview shows how black text looks on a background with the Yxy color 23.8946, 0.1901, 0.1591.



This preview shows how white text looks on a background with the Yxy color 23.8946, 0.1901, 0.1591.

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

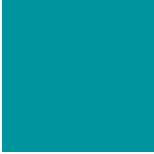
23.8946, 0.1901, 0.1591

Protanopia

23.9446, 0.1864, 0.1601

Deuteranopia

23.7814, 0.1833, 0.1799



Tritanopia

23.6830, 0.2188, 0.3075

Trichromacy



Original Color

23.8946, 0.1901, 0.1591

Protanomaly

23.8516, 0.1876, 0.1594

Deuteranomaly

23.5397, 0.1830, 0.1712

Tritanomaly

22.8842, 0.2020, 0.2362

Monochromacy



Original Color

23.8946, 0.1901, 0.1591

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0646, 0.2490, 0.2489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8946, 0.1901, 0.1591 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(75, 127, 255)` looks like.

```
.text, #text, p{  
  color:rgb(75, 127, 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(75, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.8946, 0.1901, 0.1591 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(75, 127, 255) }
```

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

```
.border{ border-color:rgb(75, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8946, 0.1901, 0.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 127, 255) }
```

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

```
.background{ background-color: rgb(75, 127,  
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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