

Converting Colors

$Y_{xy}(24.5533, 0.2001, 0.2104)$

Have a look what the booklet for
Yxy(24.5533, 0.2001, 0.2104)
contains.

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Color

Yxy(24.4983, 0.2004, 0.2107)

Conversions

Conversions Part 1

Format	Color
Hex	368CD8
RGB	54, 140, 216
RGB Percent	21%, 55%, 85%
CMY	0.7876, 0.4510, 0.1529
CMYK	0.75, 0.35, 0.00, 0.15
HSL	208°, 67%, 53%
HSV	208°, 75%, 85%
XYZ	23.3007, 24.4983, 68.4720
YIQ	122.9500, -75.6520, 5.4040

Conversions

Conversions Part 2

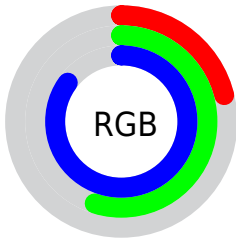
Format	Color
RYB	54, 110, 216
Decimal	3575000
CIELab	56.58, 0.07, -46.21
CIELCh	57, 46.205, 270.088
Yxy	24.4983, 0.2004, 0.2107
Android (android.graphics.Color)	4281765080 (0xFF368CD8)
YUV	122.9500, 45.8737, -60.4691
Hunter-Lab	49.4958, -2.5866, -47.3742




Details

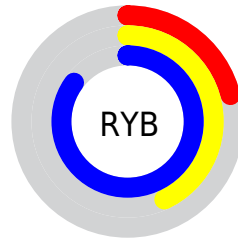
The Yxy color **24.4983, 0.2004, 0.2107** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle muted azure. A complement of this color would be **30.8812, 0.4907, 0.4096**, and the grayscale version is **19.6684, 0.3127, 0.3290**.




A 20% lighter version of the original color is **49.4975, 0.2298, 0.2520**, and **9.8855, 0.1832, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **21.1972, 0.1904, 0.1925**, and if you desaturate by 10%, it is **28.3399, 0.2125, 0.2291**.

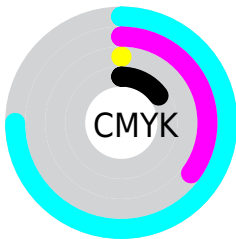
Distribution







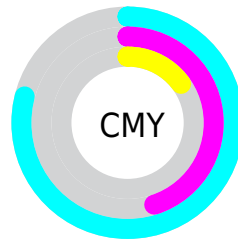
-  Red (21%)
-  Green (55%)
-  Blue (85%)






-  Red (21%)
-  Yellow (43%)
-  Blue (85%)



-  Cyan (75%)
-  Magenta (35%)
-  Yellow (0%)
-  Black (15%)



-  Cyan (79%)
-  Magenta (45%)
-  Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4983, 0.2004, 0.2107 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 24.4983, 0.2004, 0.2107 by changing the saturation by 10% instead.

■ 24.4983, 0.2004,
0.2107

■ 24.4983, 0.2004,
0.2107

■ 275.3301, 0.2589,
0.2724

■ 15.7037, 0.1857,
0.1952

■ 50.8421, 0.2219,
0.2333

■ 9.3147, 0.1670,
0.1755

■ 69.1601, 0.2299,
0.2418

■ 4.9470, 0.1429,
0.1501

■ 91.4214, 0.2367,
0.2489

■ 2.2162, 0.1114,
0.1171

■ 118.0103, 0.2425,
0.2550

■ 0.7288, 0.0707,
0.0742

■ 149.3112, 0.2475,
0.2603

■ 0.0000, 0.0000,
0.0000

185.7086, 0.2518,

0.2648

227.5867, 0.2556,
0.2688

■ 24.4983, 0.2004,
0.2107

■ 24.4983, 0.2004,
0.2107

■ 21.1972, 0.1904,
0.1925

■ 28.3399, 0.2125,
0.2291

■ 18.3887, 0.1828,
0.1749

■ 32.7577, 0.2264,
0.2473

■ 17.1171, 0.1796,
0.1664

■ 37.7862, 0.2415,
0.2648

■ 43.4559, 0.2573,
0.2813

■ 49.7947, 0.2734,
0.2966

■ 56.8286, 0.2895,
0.3106

■ 64.5820, 0.3052,
0.3233

■ 73.0780, 0.3203,
0.3346

■ 82.3385, 0.3347,
0.3446

Harmonies

Analogous

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



24.4983, 0.1774, 0.2347



24.4983, 0.2004, 0.2107



24.4983, 0.2517, 0.2137

Triad

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



24.4983, 0.2004, 0.2107



24.4983, 0.4618, 0.3387



24.4983, 0.2837, 0.4501

Complementary

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



24.4983, 0.2004, 0.2107



30.8812, 0.4907, 0.4096

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.



24.4983, 0.3597, 0.4767



24.4983, 0.2004, 0.2107



24.4983, 0.4670, 0.3970

Square

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



24.4983, 0.2004, 0.2107



24.4983, 0.4078, 0.2838



24.4983, 0.4273, 0.4498



24.4983, 0.2197, 0.3733

Rectangle

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



24.4983, 0.2004, 0.2107



24.4983, 0.3000, 0.2287



24.4983, 0.4273, 0.4498



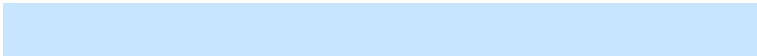
24.4983, 0.3087, 0.4659

Sweetspot

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



24.4991, 0.2004, 0.2107



75.1933, 0.2778, 0.3006



51.5084, 0.2712, 0.4642



15.5163, 0.2734, 0.2966



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.



24.4991, 0.2004, 0.2107



28.3636, 0.1856, 0.1820



8.9319, 0.1718, 0.0989



13.0880, 0.2982, 0.3178



10.3487, 0.1803, 0.1689



0.7893, 0.1886, 0.1988

Inverse Universe

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



19.1463, 0.4286, 0.2387



24.0898, 0.4649, 0.2389



61.2651, 0.4141, 0.4861



12.5298, 0.3209, 0.3167



9.3896, 0.4820, 0.2429



0.5830, 0.4466, 0.2234

Previews

White Background



This preview shows how the Yxy color 24.4983, 0.2004, 0.2107 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 24.4983, 0.2004, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

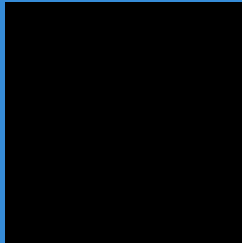
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4983, 0.2004, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 24.4983, 0.2004, 0.2107.

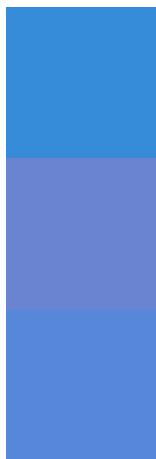


This preview shows how white text looks on a background with the Yxy color 24.4983, 0.2004, 0.2107.

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

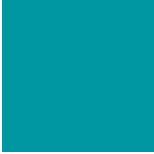
24.4983, 0.2004, 0.2107

Protanopia

24.2318, 0.2271, 0.2131

Deuteranopia

24.3161, 0.2114, 0.2054



Tritanopia

24.4213, 0.2183, 0.3059

Trichromacy



Original Color

24.4983, 0.2004, 0.2107

Protanomaly

24.1561, 0.2148, 0.2112

Deuteranomaly

24.3569, 0.2064, 0.2069

Tritanomaly

24.0839, 0.2089, 0.2647

Monochromacy



Original Color

24.4983, 0.2004, 0.2107

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.7315, 0.2543, 0.2779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4983, 0.2004, 0.2107 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(54, 140, 216)` looks like.

```
.text, #text, p{  
  color:rgb(54, 140, 216)  
}
```

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(54, 140, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 140, 216) }
```

Border

The CSS property to change the border of an element to Yxy 24.4983, 0.2004, 0.2107 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(54, 140, 216) }
```

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

```
.border{ border-color:rgb(54, 140, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 140, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 140, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 140, 216);  
box-shadow:4px 4px 4px 4px rgb(54, 140,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4983, 0.2004, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 140, 216) }
```

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

```
.background{ background-color: rgb(54, 140,  
216) }
```

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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