

Converting Colors

$Yxy(25.2277, 0.1950, 0.2018)$

Have a look what the booklet for
Yxy(25.2277, 0.1950, 0.2018)
contains.

Yxy(25.0986, 0.1948, 0.2009)	3
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Color

Yxy(25.0986, 0.1948, 0.2009)

Conversions

Conversions Part 1

Format	Color
Hex	2D8DE2
RGB	45, 141, 226
RGB Percent	18%, 55%, 89%
CMY	0.8229, 0.4471, 0.1138
CMYK	0.80, 0.38, 0.00, 0.11
HSL	208°, 76%, 53%
HSV	208°, 80%, 89%
XYZ	24.3365, 25.0986, 75.4957
YIQ	121.9860, -84.5010, 6.0830

Conversions

Conversions Part 2

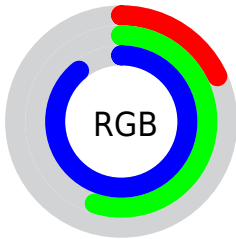
Format	Color
R _Y B	45, 108, 226
Decimal	2985442
CIE Lab	57.17, 2.11, -50.86
CIE LCh	57, 50.904, 272.371
Yxy	25.0986, 0.1948, 0.2009
Android (android.graphics.Color)	4281175522 (0xFF2D8DE2)
YUV	121.9860, 51.2789, -67.5167
Hunter-Lab	50.0985, -0.9618, -54.2778

Details

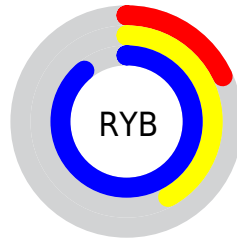
The Yxy color **25.0986, 0.1948, 0.2009** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **32.3585, 0.5053, 0.4104**, and the grayscale version is **19.3221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6551, 0.2283, 0.2530**, and **10.5566, 0.1813, 0.1727** is the 20% darker color. If you saturate the color by 10%, you get **21.7317, 0.1860, 0.1829**, and if you desaturate by 10%, it is **29.0417, 0.2059, 0.2193**.

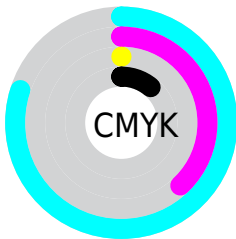
Distribution



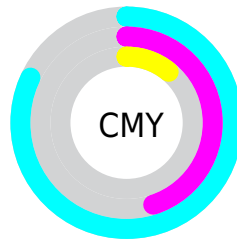
- Red (18%)
- Green (55%)
- Blue (89%)



- Red (18%)
- Yellow (42%)
- Blue (89%)



- Cyan (80%)
- Magenta (38%)
- Yellow (0%)
- Black (11%)



- Cyan (82%)
- Magenta (45%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0986, 0.1948, 0.2009 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 25.0986, 0.1948, 0.2009 by changing the saturation by 10% instead.

■ 25.0986, 0.1948,
0.2009

■ 25.0986, 0.1948,
0.2009

278.3286, 0.2556,
0.2666

■ 16.1505, 0.1798,
0.1848

■ 51.8171, 0.2169,
0.2247

■ 9.6307, 0.1610,
0.1648

■ 70.3564, 0.2253,
0.2337

■ 5.1548, 0.1370,
0.1393

■ 92.8615, 0.2323,
0.2413

■ 2.3384, 0.1064,
0.1071

■ 119.7169, 0.2384,
0.2478

■ 0.7939, 0.0683,
0.0673

■ 151.3068, 0.2436,
0.2535

■ 0.0000, 0.0000,
0.0000

188.0159, 0.2481,

0.2584

230.2283, 0.2521,
0.2627

■ 25.0986, 0.1948,
0.2009

■ 25.0986, 0.1948,
0.2009

■ 21.7317, 0.1860,
0.1829

■ 29.0417, 0.2059,
0.2193

■ 18.8674, 0.1794,
0.1658

■ 33.6051, 0.2189,
0.2378

■ 38.8294, 0.2334,
0.2557

■ 44.7505, 0.2490,
0.2729

■ 51.4009, 0.2651,
0.2889

■ 58.8107, 0.2813,
0.3036

■ 67.0081, 0.2972,
0.3170

■ 76.0196, 0.3127,
0.3290

■ 85.8703, 0.3275,
0.3397

Harmonies

Analogous

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



25.0986, 0.1681, 0.2234



25.0986, 0.1948, 0.2009



25.0986, 0.2516, 0.2065

Triad

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



25.0986, 0.1948, 0.2009



25.0986, 0.4777, 0.3426



25.0986, 0.2740, 0.4581

Complementary

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



25.0986, 0.1948, 0.2009



32.3585, 0.5053, 0.4104

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.



25.0986, 0.3559, 0.4910



25.0986, 0.1948, 0.2009



25.0986, 0.4780, 0.4050

Square

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



25.0986, 0.1948, 0.2009



25.0986, 0.4224, 0.2838



25.0986, 0.4307, 0.4623



25.0986, 0.2073, 0.3697

Rectangle

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



25.0986, 0.1948, 0.2009



25.0986, 0.3049, 0.2236



25.0986, 0.4307, 0.4623



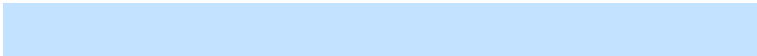
25.0986, 0.3008, 0.4769

Sweetspot

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



25.0994, 0.1948, 0.2009



73.1844, 0.2746, 0.2977



56.5407, 0.2713, 0.4752



14.9237, 0.2688, 0.2923



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.



25.0994, 0.1948, 0.2009



26.0265, 0.1815, 0.1715



8.4352, 0.1647, 0.0868



14.4400, 0.2981, 0.3177



11.0063, 0.1801, 0.1685



0.9418, 0.1875, 0.1951

Inverse Universe

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



19.9768, 0.4408, 0.2373



23.3733, 0.4784, 0.2426



67.5152, 0.4178, 0.4913



13.8214, 0.3209, 0.3166



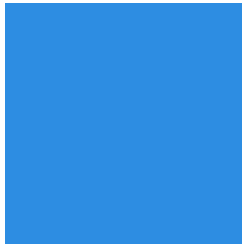
10.0191, 0.4825, 0.2432



0.7125, 0.4508, 0.2257

Previews

White Background



This preview shows how the Yxy color 25.0986, 0.1948, 0.2009 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 25.0986, 0.1948, 0.2009 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 25.0986, 0.1948, 0.2009

Background



This preview shows how black text looks on a background with the Yxy color 25.0986, 0.1948, 0.2009.

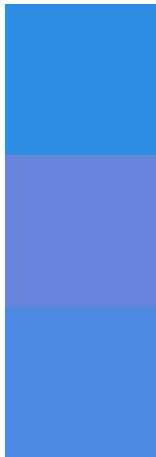


This preview shows how white text looks on a background with the Yxy color 25.0986, 0.1948, 0.2009.

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

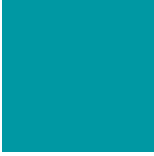
25.0986, 0.1948, 0.2009

Protanopia

24.7731, 0.2195, 0.2032

Deuteranopia

24.9739, 0.2032, 0.1968



Tritanopia

25.1008, 0.2189, 0.3080

Trichromacy



Original Color

25.0986, 0.1948, 0.2009

Protanomaly

24.6761, 0.2076, 0.2012

Deuteranomaly

24.8468, 0.1993, 0.1970

Tritanomaly

24.8351, 0.2076, 0.2622

Monochromacy



Original Color

25.0986, 0.1948, 0.2009

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.6183, 0.2486, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0986, 0.1948, 0.2009 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(45, 141, 226)` looks like.

```
.text, #text, p{  
    color:rgb(45, 141, 226)  
}
```

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(45, 141, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 141, 226) }
```

Border

The CSS property to change the border of an element to Yxy 25.0986, 0.1948, 0.2009 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(45, 141, 226) }
```

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

```
.border{ border-color:rgb(45, 141, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 141, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 141, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 141, 226);  
box-shadow:4px 4px 4px 4px rgb(45, 141,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0986, 0.1948, 0.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 141, 226) }
```

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

```
.background{ background-color: rgb(45, 141,  
226) }
```

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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