

Converting Colors

$Y_{xy}(23.8341, 0.1580, 0.2139)$

Have a look what the booklet for
Yxy(23.8341, 0.1580, 0.2139)
contains.

Yxy(26.8746, 0.1952, 0.2226)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.8746, 0.1952, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	0096DA
RGB	0, 150, 218
RGB Percent	0%, 59%, 85%
CMY	0.9984, 0.4118, 0.1450
CMYK	1.00, 0.31, 0.00, 0.15
HSL	199°, 100%, 43%
HSV	199°, 100%, 85%
XYZ	23.5666, 26.8746, 70.2893
YIQ	112.9020, -111.2280, -10.6520

Conversions

Conversions Part 2

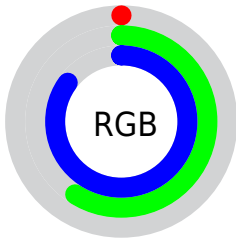
Format	Color
R _Y B	0, 89, 218
Decimal	38618
CIE Lab	58.86, -8.55, -43.79
CIE LCh	59, 44.612, 258.953
Yxy	26.8746, 0.1952, 0.2226
Android (android.graphics.Color)	4278228698 (0xFF0096DA)
YUV	112.9020, 51.8133, -99.0151
Hunter-Lab	51.8407, -9.5759, -44.1010

Details

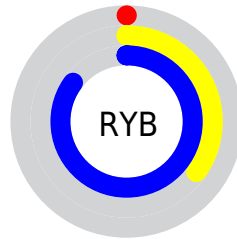
The Yxy color **26.8746, 0.1952, 0.2226** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **19.0957, 0.5945, 0.3660**, and the grayscale version is **16.3874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2893, 0.2250, 0.2651**, and **11.7587, 0.1885, 0.1984** is the 20% darker color. If you saturate the color by 10%, you get **26.8335, 0.1951, 0.2224**, and if you desaturate by 10%, it is **29.2844, 0.2002, 0.2343**.

Distribution



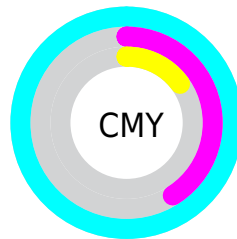
- Red (0%)
- Green (59%)
- Blue (85%)



- Red (0%)
- Yellow (35%)
- Blue (85%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8746, 0.1952, 0.2226 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 26.8746, 0.1952, 0.2226 by changing the saturation by 10% instead.

■ 26.8746, 0.1952,
0.2226

■ 26.8746, 0.1952,
0.2226

■ 287.0494, 0.2553,
0.2785

■ 17.4791, 0.1804,
0.2083

■ 54.6826, 0.2170,
0.2433

■ 10.5766, 0.1618,
0.1901

■ 73.8638, 0.2253,
0.2510

■ 5.7829, 0.1380,
0.1663

■ 97.0757, 0.2322,
0.2574

■ 2.7135, 0.1074,
0.1348

■ 124.7027, 0.2382,
0.2629

■ 0.9841, 0.0685,
0.0932

■ 157.1292, 0.2433,
0.2677

■ 0.0000, 0.0000,
0.0000

194.7396, 0.2478,

0.2718

237.9182, 0.2518,
0.2754

■ 26.8746, 0.1952,
0.2226

■ 26.8746, 0.1952,
0.2226

■ 26.8335, 0.1951,
0.2224

■ 29.2844, 0.2002,
0.2343

■ 32.0144, 0.2069,
0.2462

■ 35.1282, 0.2157,
0.2582

■ 38.6628, 0.2264,
0.2700

■ 42.6495, 0.2388,
0.2815

■ 47.1160, 0.2524,
0.2925

■ 52.0872, 0.2670,
0.3029

■ 57.5862, 0.2822,
0.3124

■ 63.6342, 0.2976,
0.3212

Harmonies

Analogous

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



26.8746, 0.1834, 0.2567



26.8746, 0.1952, 0.2226



26.8746, 0.2343, 0.2161

Triad

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



26.8746, 0.1952, 0.2226



26.8746, 0.4382, 0.3189



26.8746, 0.3125, 0.4575

Complementary

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



26.8746, 0.1952, 0.2226



19.0957, 0.5945, 0.3660

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.



26.8746, 0.3834, 0.4629



26.8746, 0.1952, 0.2226



26.8746, 0.4614, 0.3740

Square

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



26.8746, 0.1952, 0.2226



26.8746, 0.3751, 0.2694



26.8746, 0.4389, 0.4270



26.8746, 0.2455, 0.4000

Rectangle

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



26.8746, 0.1952, 0.2226



26.8746, 0.2746, 0.2250



26.8746, 0.4389, 0.4270



26.8746, 0.3367, 0.4653

Sweetspot

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



26.8755, 0.1952, 0.2226



73.9441, 0.2663, 0.3024



50.5463, 0.2892, 0.5611



15.1654, 0.2601, 0.2981



0.0000, 0.0000, 0.0000



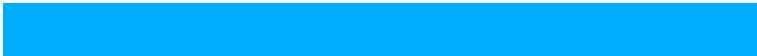
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.8755, 0.1952, 0.2226



37.9914, 0.1948, 0.2214



6.8611, 0.1552, 0.0785



14.1071, 0.2982, 0.3215



16.2726, 0.1956, 0.2241



1.2055, 0.2009, 0.2432

Inverse Universe

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



17.1191, 0.4204, 0.2091



24.3664, 0.4217, 0.2097



45.3740, 0.4601, 0.4728



13.2019, 0.3185, 0.3131



10.2665, 0.4188, 0.2081



0.6804, 0.3990, 0.1972

Previews

White Background



This preview shows how the Yxy color 26.8746, 0.1952, 0.2226 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 26.8746, 0.1952, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

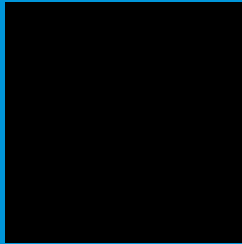
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8746, 0.1952, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 26.8746, 0.1952, 0.2226.

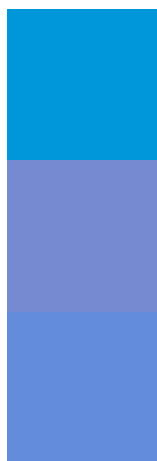


This preview shows how white text looks on a background with the Yxy color 26.8746, 0.1952, 0.2226.

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

26.8746, 0.1952, 0.2226

Protanopia

26.5129, 0.2364, 0.2254

Deuteranopia

26.8697, 0.2191, 0.2134



Tritanopia

26.9411, 0.2191, 0.3086

Trichromacy



Original Color

26.8746, 0.1952, 0.2226

Protanomaly

25.5953, 0.2109, 0.2207

Deuteranomaly

26.1178, 0.2039, 0.2146

Tritanomaly

26.6564, 0.2092, 0.2731

Monochromacy



Original Color

26.8746, 0.1952, 0.2226

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.5338, 0.2372, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8746, 0.1952, 0.2226 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(0, 150, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 218)  
}
```

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(0, 150, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 218) }
```

Border

The CSS property to change the border of an element to Yxy 26.8746, 0.1952, 0.2226 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(0, 150, 218) }
```

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

```
.border{ border-color:rgb(0, 150, 218) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8746, 0.1952, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 218) }
```

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

```
.background{ background-color: rgb(0, 150,  
218) }
```

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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