

Converting Colors

$Yxy(24.0243, 0.1919, 0.2774)$

Have a look what the booklet for
Yxy(24.0243, 0.1919, 0.2774)
contains.

Yxy(25.3476, 0.2112, 0.2802)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.3476, 0.2112, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	0097B2
RGB	0, 151, 178
RGB Percent	0%, 59%, 70%
CMY	0.9988, 0.4079, 0.3019
CMYK	1.00, 0.15, 0.00, 0.30
HSL	189°, 100%, 35%
HSV	189°, 100%, 70%
XYZ	19.1057, 25.3476, 46.0092
YIQ	108.9290, -98.6630, -23.6150

Conversions

Conversions Part 2

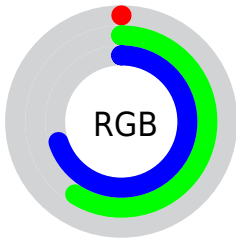
Format	Color
RYB	0, 82, 178
Decimal	38834
CIELab	57.41, -23.54, -23.51
CIELCh	57, 33.267, 224.962
Yxy	25.3476, 0.2112, 0.2802
Android (android.graphics.Color)	4278228914 (0xFF0097B2)
YUV	108.9290, 34.0520, -95.5307
Hunter-Lab	50.3464, -20.3682, -18.9399

Details

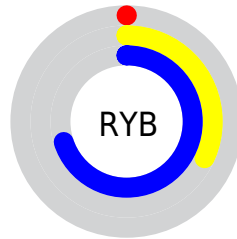
The Yxy color **25.3476, 0.2112, 0.2802** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.2654, 0.6248, 0.3418**, and the grayscale version is **15.2213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9828, 0.2307, 0.2904**, and **10.5950, 0.2072, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **25.3314, 0.2112, 0.2801**, and if you desaturate by 10%, it is **26.3572, 0.2144, 0.2855**.

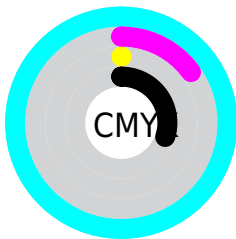
Distribution



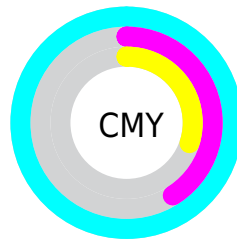
- Red (0%)
- Green (59%)
- Blue (70%)



- Red (0%)
- Yellow (32%)
- Blue (70%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (41%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3476, 0.2112, 0.2802 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 25.3476, 0.2112, 0.2802 by changing the saturation by 10% instead.

■ 25.3476, 0.2112,
0.2802

■ 25.3476, 0.2112,
0.2802

■ 279.5646, 0.2647,
0.3083

■ 16.3362, 0.1972,
0.2719

■ 52.2206, 0.2312,
0.2914

■ 9.7624, 0.1790,
0.2603

■ 70.8510, 0.2385,
0.2953

■ 5.2417, 0.1547,
0.2436

■ 93.4565, 0.2447,
0.2985

■ 2.3898, 0.1211,
0.2176

■ 120.4215, 0.2499,
0.3011

■ 0.8206, 0.0449,
0.1795

■ 152.1304, 0.2544,
0.3034

■ 0.0000, 0.0000,
0.0000

■ 188.9676, 0.2582,

0.3053

231.3176, 0.2617,
0.3069

■ 25.3476, 0.2112,
0.2802

■ 25.3476, 0.2112,
0.2802

■ 25.3314, 0.2112,
0.2801

■ 26.3572, 0.2144,
0.2855

■ 27.5021, 0.2191,
0.2908

■ 28.8264, 0.2257,
0.2962

■ 30.3509, 0.2341,
0.3015

■ 32.0935, 0.2443,
0.3068

■ 34.0699, 0.2560,
0.3118

■ 36.2943, 0.2691,
0.3166

■ 38.7796, 0.2831,
0.3211

■ 41.5378, 0.2978,
0.3253

Harmonies

Analogous

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



25.3476, 0.2286, 0.3317



25.3476, 0.2112, 0.2802



25.3476, 0.2176, 0.2487

Triad

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



25.3476, 0.2112, 0.2802



25.3476, 0.3531, 0.2780



25.3476, 0.3760, 0.4297

Complementary

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



25.3476, 0.2112, 0.2802



10.2654, 0.6248, 0.3418

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.



25.3476, 0.4150, 0.4028



25.3476, 0.2112, 0.2802



25.3476, 0.4030, 0.3172

Square

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



25.3476, 0.2112, 0.2802



25.3476, 0.2950, 0.2503



25.3476, 0.4261, 0.3615



25.3476, 0.3220, 0.4271

Rectangle

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



25.3476, 0.2112, 0.2802



25.3476, 0.2345, 0.2401



25.3476, 0.4261, 0.3615



25.3476, 0.3914, 0.4232

Sweetspot

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



25.3485, 0.2112, 0.2802



65.5162, 0.2681, 0.3163



31.9253, 0.2964, 0.5869



14.1330, 0.2626, 0.3143



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



25.3485, 0.2112, 0.2802



45.6594, 0.2109, 0.2792



6.7169, 0.1648, 0.1131



9.4071, 0.2986, 0.3255



18.1965, 0.2113, 0.2807



0.6319, 0.2154, 0.2955

Inverse Universe

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



11.7069, 0.3633, 0.1776



21.1851, 0.3642, 0.1780



21.9145, 0.4973, 0.4432



8.6241, 0.3160, 0.3099



8.3771, 0.3628, 0.1772



0.2696, 0.3494, 0.1699

Previews

White Background



This preview shows how the Yxy color 25.3476, 0.2112, 0.2802 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 25.3476, 0.2112, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

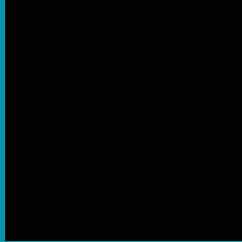
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3476, 0.2112, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 25.3476, 0.2112, 0.2802.

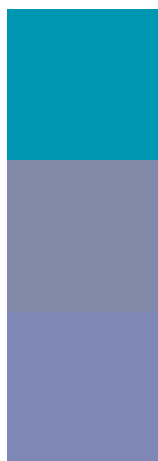


This preview shows how white text looks on a background with the Yxy color 25.3476, 0.2112, 0.2802.

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

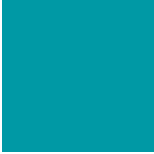
25.3476, 0.2112, 0.2802

Protanopia

25.1442, 0.2769, 0.2787

Deuteranopia

25.1410, 0.2608, 0.2550



Tritanopia

25.4991, 0.2184, 0.3063

Trichromacy



Original Color

25.3476, 0.2112, 0.2802



Protanomaly

23.8290, 0.2368, 0.2760



Deuteranomaly

24.0914, 0.2289, 0.2604



Tritanomaly

25.3588, 0.2154, 0.2956

Monochromacy



Original Color

25.3476, 0.2112, 0.2802



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.4017, 0.2470, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3476, 0.2112, 0.2802 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, 151, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 178)  
}
```

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, 151, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 178) }
```

Border

The CSS property to change the border of an element to Yxy 25.3476, 0.2112, 0.2802 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, 151, 178) }
```

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

```
.border{ border-color:rgb(0, 151, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3476, 0.2112, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 178) }
```

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

```
.background{ background-color: rgb(0, 151,  
178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor