

Converting Colors

$Yxy(25.8419, 0.2066, 0.2637)$

Have a look what the booklet for
Yxy(25.8419, 0.2066, 0.2637)
contains.

Yxy(25.8073, 0.2064, 0.2630)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.8073, 0.2064, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	0097BD
RGB	0, 151, 189
RGB Percent	0%, 59%, 74%
CMY	0.9998, 0.4078, 0.2588
CMYK	1.00, 0.20, 0.00, 0.26
HSL	192°, 100%, 37%
HSV	192°, 100%, 74%
XYZ	20.2533, 25.8073, 52.0660
YIQ	110.1830, -102.1940, -20.1940

Conversions

Conversions Part 2

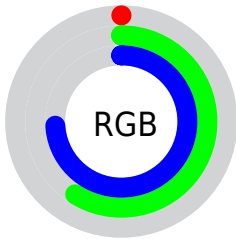
Format	Color
RYB	0, 84, 189
Decimal	38845
CIELab	57.85, -19.69, -29.06
CIElCh	58, 35.104, 235.883
Yxy	25.8073, 0.2064, 0.2630
Android (android.graphics.Color)	4278228925 (0xFF0097BD)
YUV	110.1830, 38.8568, -96.6305
Hunter-Lab	50.8009, -17.7370, -25.2059

Details

The Yxy color **25.8073, 0.2064, 0.2630** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **12.2120, 0.6176, 0.3478**, and the grayscale version is **15.5624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7966, 0.2272, 0.2774**, and **10.8919, 0.2009, 0.2430** is the 20% darker color. If you saturate the color by 10%, you get **25.8038, 0.2064, 0.2630**, and if you desaturate by 10%, it is **27.1898, 0.2101, 0.2702**.

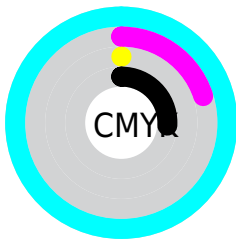
Distribution



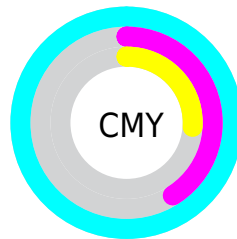
- Red (0%)
- Green (59%)
- Blue (74%)



- Red (0%)
- Yellow (33%)
- Blue (74%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (26%)




- Cyan (100%)
- Magenta (41%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8073, 0.2064, 0.2630 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 25.8073, 0.2064, 0.2630 by changing the saturation by 10% instead.

 25.8073, 0.2064,
0.2630


 25.8073, 0.2064,
0.2630


 281.8348, 0.2619,
0.3000


 16.6795, 0.1921,
0.2526


 52.9639, 0.2270,
0.2774


 10.0063, 0.1737,
0.2385


 71.7615, 0.2346,
0.2825

 5.4031, 0.1495,
0.2187

 94.5513, 0.2410,
0.2867

 2.4857, 0.1166,
0.1896

 121.7175, 0.2464,
0.2902

 0.8695, 0.0584,
0.1468

 153.6445, 0.2511,
0.2932

 0.0000, 0.0000,
0.0000

 190.7168, 0.2552,

0.2958

233.3188, 0.2588,
0.2980

■ 25.8073, 0.2064,
0.2630

■ 25.8073, 0.2064,
0.2630

■ 25.8038, 0.2064,
0.2630

■ 27.1898, 0.2101,
0.2702

■ 28.7449, 0.2154,
0.2775

■ 30.5223, 0.2226,
0.2848

■ 32.5468, 0.2317,
0.2921

■ 34.8391, 0.2425,
0.2991

■ 37.4179, 0.2548,
0.3059

■ 40.2998, 0.2682,
0.3124

■ 43.4999, 0.2826,
0.3184

■ 47.0323, 0.2975,
0.3239

Harmonies

Analogous

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



25.8073, 0.2154, 0.3100



25.8073, 0.2064, 0.2630



25.8073, 0.2218, 0.2390

Triad

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



25.8073, 0.2064, 0.2630



25.8073, 0.3763, 0.2895



25.8073, 0.3591, 0.4381

Complementary

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



25.8073, 0.2064, 0.2630



12.2120, 0.6176, 0.3478

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.



25.8073, 0.4075, 0.4187



25.8073, 0.2064, 0.2630



25.8073, 0.4203, 0.3329

Square

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



25.8073, 0.2064, 0.2630



25.8073, 0.3158, 0.2557



25.8073, 0.4313, 0.3790



25.8073, 0.3008, 0.4218

Rectangle

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



25.8073, 0.2064, 0.2630



25.8073, 0.2448, 0.2356



25.8073, 0.4313, 0.3790



25.8073, 0.3771, 0.4350

Sweetspot

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



25.8082, 0.2064, 0.2630



71.8861, 0.2675, 0.3120



36.5410, 0.2945, 0.5801



14.9789, 0.2617, 0.3094



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



25.8082, 0.2064, 0.2630



45.8569, 0.2061, 0.2619



6.5765, 0.1610, 0.0995



10.4746, 0.2985, 0.3243



17.4685, 0.2067, 0.2639



0.7685, 0.2114, 0.2812

Inverse Universe

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



13.0564, 0.3795, 0.1864



23.3415, 0.3806, 0.1870



27.4128, 0.4845, 0.4535



9.6625, 0.3167, 0.3109



8.7931, 0.3786, 0.1859



0.3529, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 25.8073, 0.2064, 0.2630 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 25.8073, 0.2064, 0.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

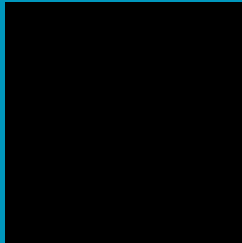
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8073, 0.2064, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 25.8073, 0.2064, 0.2630.

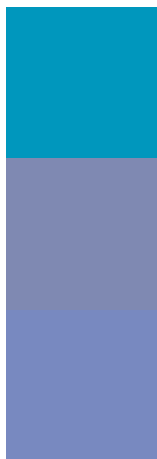


This preview shows how white text looks on a background with the Yxy color 25.8073, 0.2064, 0.2630.

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

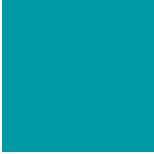
25.8073, 0.2064, 0.2630

Protanopia

25.6177, 0.2651, 0.2639

Deuteranopia

25.6902, 0.2488, 0.2439



Tritanopia

25.8644, 0.2185, 0.3065

Trichromacy



Original Color

25.8073, 0.2064, 0.2630



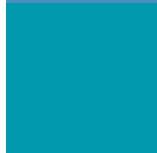
Protanomaly

24.4727, 0.2292, 0.2608



Deuteranomaly

24.6441, 0.2215, 0.2475



Tritanomaly

25.8385, 0.2141, 0.2907

Monochromacy



Original Color

25.8073, 0.2064, 0.2630



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.8334, 0.2442, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8073, 0.2064, 0.2630 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 189) }
```

Border

The CSS property to change the border of an element to Yxy 25.8073, 0.2064, 0.2630 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, 189) }
```

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

```
.border{ border-color:rgb(0, 151, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8073, 0.2064, 0.2630 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, 189) }
```

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

```
.background{ background-color: rgb(0, 151,  
189) }
```

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