

Converting Colors

$Yxy(24.9481, 0.2050, 0.3046)$

Have a look what the booklet for
Yxy(24.9481, 0.2050, 0.3046)
contains.

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Color

Yxy(25.8644, 0.2185, 0.3065)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 009AA6 |
| RGB | 0, 154, 166 |
| RGB Percent | 0%, 60%, 65% |
| CMY | 0.9991, 0.3961, 0.3491 |
| CMYK | 1.00, 0.07, 0.00, 0.35 |
| HSL | 184°, 100%, 33% |
| HSV | 184°, 100%, 65% |
| XYZ | 18.4384, 25.8644, 40.0835 |
| YIQ | 109.3220, -95.6360, -28.9160 |

Conversions

Conversions Part 2

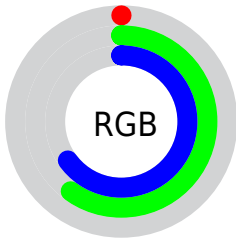
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 80, 166 |
| Decimal | 39590 |
| CIELab | 57.91, -29.13, -15.91 |
| CIELCh | 58, 33.188, 208.648 |
| Yxy | 25.8644, 0.2185, 0.3065 |
| Android (android.graphics.Color) | 4278229670 (0xFF009AA6) |
| YUV | 109.3220, 27.9423, -95.8754 |
| Hunter-Lab | 50.8571, -24.2840, -11.1301 |

Details

The Yxy color **25.8644, 0.2185, 0.3065** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.3726, 0.6338, 0.3347**, and the grayscale version is **15.3488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1485, 0.2374, 0.3125**, and **10.7176, 0.2158, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **25.8582, 0.2185, 0.3065**, and if you desaturate by 10%, it is **26.3792, 0.2209, 0.3089**.

Distribution



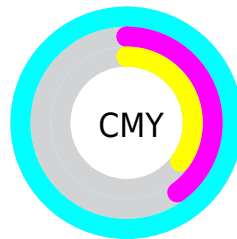
- Red (0%)
- Green (60%)
- Blue (65%)



- Red (0%)
- Yellow (31%)
- Blue (65%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)





- Cyan (100%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8644, 0.2185, 0.3065 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 25.8644, 0.2185, 0.3065 by changing the saturation by 10% instead.

 25.8644, 0.2185,
0.3065


 25.8644, 0.2185,
0.3065


282.1158, 0.2684,
0.3204


 16.7222, 0.2053,
0.3020


 53.0561, 0.2373,
0.3123


 10.0366, 0.1879,
0.2954


 71.8744, 0.2441,
0.3142


 5.4233, 0.1642,
0.2853

 94.6869, 0.2498,
0.3158

 2.4977, 0.1308,
0.2681

 121.8780, 0.2547,
0.3171

 0.8755, 0.0343,
0.2477

 153.8320, 0.2589,
0.3181

 0.0000, 0.0000,
0.0000

 190.9334, 0.2625,

0.3190

233.5665, 0.2656,
0.3198

■ 25.8644, 0.2185,
0.3065

■ 25.8644, 0.2185,
0.3065

■ 25.8582, 0.2185,
0.3065

■ 26.3792, 0.2209,
0.3089

■ 26.9937, 0.2246,
0.3113

■ 27.7477, 0.2301,
0.3137

■ 28.6587, 0.2375,
0.3161

■ 29.7414, 0.2467,
0.3185

■ 31.0090, 0.2576,
0.3209

■ 32.4732, 0.2699,
0.3231

■ 34.1450, 0.2834,
0.3252

■ 36.0343, 0.2979,
0.3272

Harmonies

Analogous

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



25.8644, 0.2483, 0.3633



25.8644, 0.2185, 0.3065



25.8644, 0.2120, 0.2636

Triad

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



25.8644, 0.2185, 0.3065



25.8644, 0.3212, 0.2617



25.8644, 0.3993, 0.4170

Complementary

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



25.8644, 0.2185, 0.3065



8.3726, 0.6338, 0.3347

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.



25.8644, 0.4241, 0.3809



25.8644, 0.2185, 0.3065



25.8644, 0.3776, 0.2951

Square

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



25.8644, 0.2185, 0.3065



25.8644, 0.2671, 0.2428



25.8644, 0.4167, 0.3372



25.8644, 0.3521, 0.4320

Rectangle

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



25.8644, 0.2185, 0.3065



25.8644, 0.2207, 0.2471



25.8644, 0.4167, 0.3372



25.8644, 0.4107, 0.4065

Sweetspot

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



25.8653, 0.2185, 0.3065



58.7591, 0.2690, 0.3230



27.2890, 0.2987, 0.5951



12.9003, 0.2639, 0.3221



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



25.8653, 0.2185, 0.3065



46.8137, 0.2184, 0.3060



7.3955, 0.1717, 0.1380



8.4379, 0.2987, 0.3273



20.0880, 0.2185, 0.3067



0.5152, 0.2207, 0.3146

Inverse Universe

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



10.4423, 0.3397, 0.1646



18.9349, 0.3401, 0.1647



16.1372, 0.5200, 0.4252



7.6571, 0.3148, 0.3083



8.0989, 0.3396, 0.1644



0.1997, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 25.8644, 0.2185, 0.3065 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 25.8644, 0.2185, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

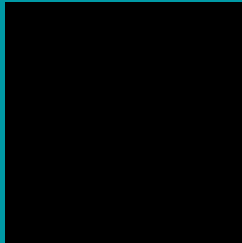
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

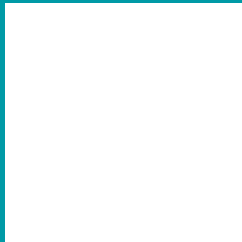
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8644, 0.2185, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 25.8644, 0.2185, 0.3065.

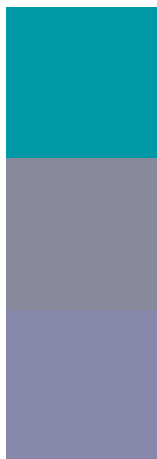


This preview shows how white text looks on a background with the Yxy color 25.8644, 0.2185, 0.3065.

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

25.8644, 0.2185, 0.3065

Protanopia

25.4921, 0.2939, 0.2995

Deuteranopia

25.7448, 0.2801, 0.2751



Tritanopia

25.9095, 0.2191, 0.3065

Trichromacy



Original Color

25.8644, 0.2185, 0.3065



Protanomaly

24.1744, 0.2483, 0.2999



Deuteranomaly

24.5357, 0.2415, 0.2833



Tritanomaly

25.8966, 0.2190, 0.3065

Monochromacy



Original Color

25.8644, 0.2185, 0.3065



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.5441, 0.2506, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8644, 0.2185, 0.3065 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, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 166)  
}
```

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, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 166) }
```

Border

The CSS property to change the border of an element to Yxy 25.8644, 0.2185, 0.3065 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, 154, 166) }
```

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

```
.border{ border-color:rgb(0, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8644, 0.2185, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 166) }
```

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

```
.background{ background-color: rgb(0, 154,  
166) }
```

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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