

Converting Colors

$Yxy(25.9410, 0.1936, 0.2999)$

Have a look what the booklet for
Yxy(25.9410, 0.1936, 0.2999)
contains.

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Color

Yxy(27.4708, 0.2172, 0.3018)

Conversions

Conversions Part 1

Format	Color
Hex	009EAD
RGB	0, 158, 173
RGB Percent	0%, 62%, 68%
CMY	0.9988, 0.3804, 0.3217
CMYK	1.00, 0.09, 0.00, 0.32
HSL	185°, 100%, 34%
HSV	185°, 100%, 68%
XYZ	19.7702, 27.4708, 43.7822
YIQ	112.4680, -98.9830, -28.8310

Conversions

Conversions Part 2

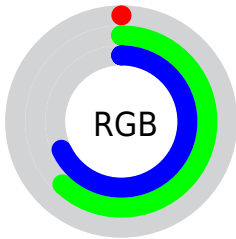
Format	Color
R_{YB}	0, 83, 173
Decimal	40621
CIE _{Lab}	59.41, -28.78, -17.61
CIE _{LCh}	59, 33.739, 211.455
Yxy	27.4708, 0.2172, 0.3018
Android (android.graphics.Color)	4278230701 (0xFF009EAD)
YUV	112.4680, 29.8423, -98.6344
Hunter-Lab	52.4126, -24.3911, -12.8383

Details

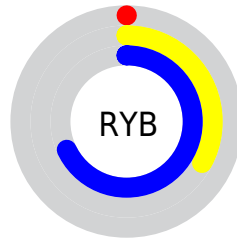
The Yxy color **27.4708, 0.2172, 0.3018** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.2319, 0.6327, 0.3356**, and the grayscale version is **16.3084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6228, 0.2362, 0.3090**, and **11.6885, 0.2141, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **27.4605, 0.2172, 0.3017**, and if you desaturate by 10%, it is **28.1096, 0.2197, 0.3047**.

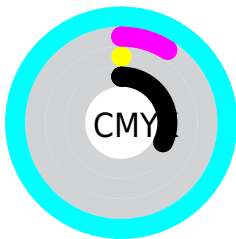
Distribution



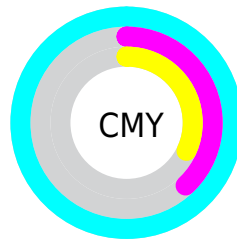
- Red (0%)
- Green (62%)
- Blue (68%)



- Red (0%)
- Yellow (33%)
- Blue (68%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (32%)





- Cyan (100%)
- Magenta (38%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4708, 0.2172, 0.3018 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 27.4708, 0.2172, 0.3018 by changing the saturation by 10% instead.

 27.4708, 0.2172,
0.3018


 27.4708, 0.2172,
0.3018


 289.9295, 0.2672,
0.3182

 17.9271, 0.2041,
0.2967


 55.6384, 0.2358,
0.3085


 10.8977, 0.1871,
0.2894


 75.0312, 0.2427,
0.3108

 5.9981, 0.1643,
0.2785

 98.4757, 0.2485,
0.3126

 2.8439, 0.1324,
0.2607

 126.3565, 0.2534,
0.3141

 1.0508, 0.0640,
0.2340

 159.0579, 0.2576,
0.3154

 0.0000, 0.0000,
0.0000

 196.9642, 0.2612,

0.3164

240.4600, 0.2644,
0.3174

■ 27.4708, 0.2172,
0.3018

■ 27.4708, 0.2172,
0.3018

■ 27.4605, 0.2172,
0.3017

■ 28.1096, 0.2197,
0.3047

■ 28.8617, 0.2236,
0.3076

■ 29.7690, 0.2293,
0.3106

■ 30.8510, 0.2368,
0.3135

■ 32.1241, 0.2462,
0.3164

■ 33.6029, 0.2573,
0.3192

■ 35.3005, 0.2697,
0.3219

■ 37.2288, 0.2834,
0.3245

■ 39.3989, 0.2979,
0.3269

Harmonies

Analogous

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



27.4708, 0.2448, 0.3578



27.4708, 0.2172, 0.3018



27.4708, 0.2129, 0.2610

Triad

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



27.4708, 0.2172, 0.3018



27.4708, 0.3266, 0.2645



27.4708, 0.3953, 0.4192

Complementary

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



27.4708, 0.2172, 0.3018



9.2319, 0.6327, 0.3356

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.



27.4708, 0.4227, 0.3846



27.4708, 0.2172, 0.3018



27.4708, 0.3820, 0.2989

Square

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



27.4708, 0.2172, 0.3018



27.4708, 0.2718, 0.2441



27.4708, 0.4185, 0.3413



27.4708, 0.3469, 0.4314

Rectangle

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



27.4708, 0.2172, 0.3018



27.4708, 0.2230, 0.2458



27.4708, 0.4185, 0.3413



27.4708, 0.4074, 0.4094

Sweetspot

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



27.4718, 0.2172, 0.3018



63.0141, 0.2688, 0.3217



29.9131, 0.2984, 0.5940



13.4174, 0.2636, 0.3207



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



27.4718, 0.2172, 0.3018



49.0364, 0.2170, 0.3013



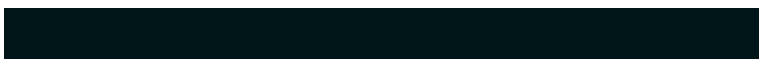
7.6861, 0.1702, 0.1324



8.9515, 0.2986, 0.3270



20.2222, 0.2172, 0.3021



0.5965, 0.2197, 0.3108

Inverse Universe

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



11.3568, 0.3438, 0.1668



20.3161, 0.3443, 0.1670



18.1958, 0.5156, 0.4286



8.1359, 0.3150, 0.3085



8.3445, 0.3436, 0.1667



0.2356, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 27.4708, 0.2172, 0.3018 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 27.4708, 0.2172, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

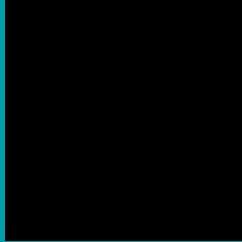
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4708, 0.2172, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 27.4708, 0.2172, 0.3018.

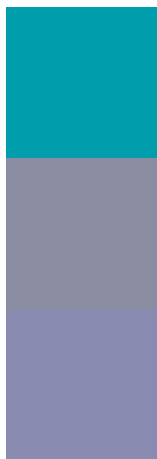


This preview shows how white text looks on a background with the Yxy color 27.4708, 0.2172, 0.3018.

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

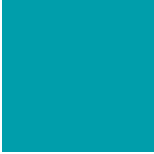
27.4708, 0.2172, 0.3018

Protanopia

27.1474, 0.2906, 0.2955

Deuteranopia

27.0428, 0.2764, 0.2703



Tritanopia

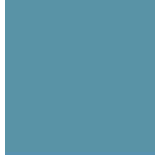
27.3940, 0.2181, 0.3052

Trichromacy



Original Color

27.4708, 0.2172, 0.3018



Protanomaly

25.7445, 0.2461, 0.2956



Deuteranomaly

25.7671, 0.2386, 0.2777



Tritanomaly

27.4323, 0.2176, 0.3035

Monochromacy



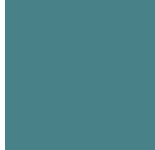
Original Color

27.4708, 0.2172, 0.3018



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.8275, 0.2504, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4708, 0.2172, 0.3018 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, 158, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 173)  
}
```

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, 158, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 173) }
```

Border

The CSS property to change the border of an element to Yxy 27.4708, 0.2172, 0.3018 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, 158, 173) }
```

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

```
.border{ border-color:rgb(0, 158, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4708, 0.2172, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 173) }
```

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

```
.background{ background-color: rgb(0, 158,  
173) }
```

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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