

Converting Colors

$Yxy(22.6212, 0.1228, 0.2573)$

Have a look what the booklet for
Yxy(22.6212, 0.1228, 0.2573)
contains.

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Color

$\text{Yxy}(28.3040, 0.2083, 0.2698)$

Conversions

Conversions Part 1

Format	Color
Hex	009EC1
RGB	0, 158, 193
RGB Percent	0%, 62%, 76%
CMY	0.9992, 0.3804, 0.2432
CMYK	1.00, 0.18, 0.00, 0.24
HSL	191°, 100%, 38%
HSV	191°, 100%, 76%
XYZ	21.8522, 28.3040, 54.7511
YIQ	114.7480, -105.4030, -22.6110

Conversions

Conversions Part 2

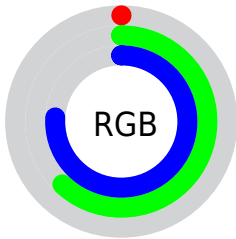
Format	Color
R _Y B	0, 87, 193
Decimal	40641
CIE Lab	60.16, -21.98, -27.73
CIE LCh	60, 35.382, 231.594
Yxy	28.3040, 0.2083, 0.2698
Android (android.graphics.Color)	4278230721 (0xFF009EC1)
YUV	114.7480, 38.5782, -100.6340
Hunter-Lab	53.2015, -19.7848, -23.7759

Details

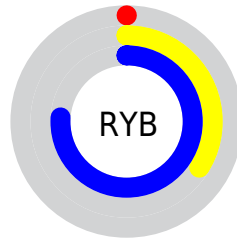
The Yxy color **28.3040, 0.2083, 0.2698** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **12.5485, 0.6211, 0.3449**, and the grayscale version is **16.9889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0873, 0.2279, 0.2823**, and **12.1721, 0.2034, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **28.2906, 0.2083, 0.2697**, and if you desaturate by 10%, it is **29.6590, 0.2118, 0.2763**.

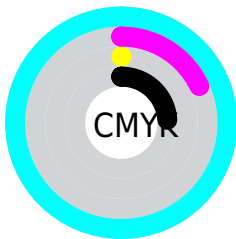
Distribution



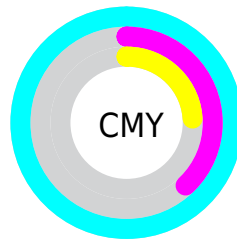
- Red (0%)
- Green (62%)
- Blue (76%)



- Red (0%)
- Yellow (34%)
- Blue (76%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (24%)




- Cyan (100%)
- Magenta (38%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3040, 0.2083, 0.2698 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 28.3040, 0.2083, 0.2698 by changing the saturation by 10% instead.


 28.3040, 0.2083,
0.2698


 28.3040, 0.2083,
0.2698


293.9167, 0.2621,
0.3028


 18.5549, 0.1947,
0.2605


 56.9694, 0.2281,
0.2826


 11.3491, 0.1772,
0.2480


 76.6546, 0.2355,
0.2872

 6.3022, 0.1542,
0.2305


 100.4206, 0.2417,
0.2909

 3.0297, 0.1233,
0.2047

 128.6518, 0.2470,
0.2941

 1.1473, 0.0768,
0.1653

 161.7326, 0.2516,
0.2968

 0.0180, 0.0000,
0.0076

200.0474, 0.2555,

 0.0000, 0.0000,

0.2991

0.0000

243.9807, 0.2590,
0.3011

■ 28.3040, 0.2083,
0.2698

■ 28.3040, 0.2083,
0.2698

■ 28.2906, 0.2083,
0.2697

■ 29.6590, 0.2118,
0.2763

■ 31.1890, 0.2168,
0.2828

■ 32.9447, 0.2237,
0.2893

■ 34.9521, 0.2325,
0.2958

■ 37.2331, 0.2430,
0.3021

■ 39.8071, 0.2551,
0.3082

■ 42.6914, 0.2685,
0.3140

■ 45.9019, 0.2827,
0.3195

■ 49.4535, 0.2976,
0.3245

Harmonies

Analogous

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



28.3040, 0.2206, 0.3186



28.3040, 0.2083, 0.2698



28.3040, 0.2200, 0.2428

Triad

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



28.3040, 0.2083, 0.2698



28.3040, 0.3669, 0.2848



28.3040, 0.3660, 0.4348

Complementary

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



28.3040, 0.2083, 0.2698



12.5485, 0.6211, 0.3449

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.



28.3040, 0.4106, 0.4122



28.3040, 0.2083, 0.2698



28.3040, 0.4134, 0.3266

Square

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



28.3040, 0.2083, 0.2698



28.3040, 0.3073, 0.2535



28.3040, 0.4293, 0.3719



28.3040, 0.3094, 0.4241

Rectangle

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



28.3040, 0.2083, 0.2698



28.3040, 0.2406, 0.2374



28.3040, 0.4293, 0.3719



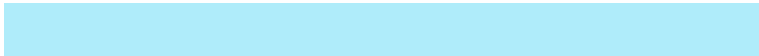
28.3040, 0.3829, 0.4302

Sweetspot

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



28.3050, 0.2083, 0.2698



76.1636, 0.2677, 0.3137



38.2385, 0.2960, 0.5854



15.8567, 0.2619, 0.3113



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



28.3050, 0.2083, 0.2698



50.3461, 0.2080, 0.2687



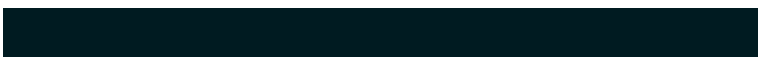
7.5704, 0.1633, 0.1076



11.1075, 0.2984, 0.3247



18.9281, 0.2085, 0.2706



0.9007, 0.2125, 0.2850

Inverse Universe

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



13.8081, 0.3730, 0.1829



24.6919, 0.3740, 0.1834



26.9630, 0.4934, 0.4464



10.2151, 0.3165, 0.3104



9.1930, 0.3723, 0.1824



0.4056, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 28.3040, 0.2083, 0.2698 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 28.3040, 0.2083, 0.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

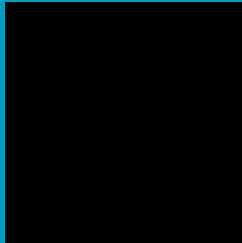
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3040, 0.2083, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 28.3040, 0.2083, 0.2698.

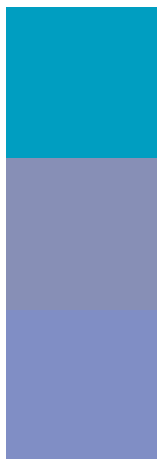


This preview shows how white text looks on a background with the Yxy color 28.3040, 0.2083, 0.2698.

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

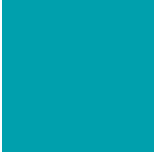
28.3040, 0.2083, 0.2698

Protanopia

28.1732, 0.2701, 0.2693

Deuteranopia

27.9664, 0.2528, 0.2468



Tritanopia

28.1587, 0.2182, 0.3055

Trichromacy



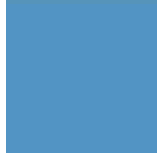
Original Color

28.3040, 0.2083, 0.2698



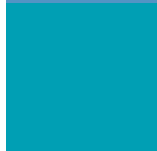
Protanomaly

26.7034, 0.2320, 0.2660



Deuteranomaly

26.9592, 0.2243, 0.2516



Tritanomaly

28.0916, 0.2144, 0.2919

Monochromacy



Original Color

28.3040, 0.2083, 0.2698



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.6322, 0.2457, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3040, 0.2083, 0.2698 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 193) }
```

Border

The CSS property to change the border of an element to Yxy 28.3040, 0.2083, 0.2698 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, 193) }
```

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

```
.border{ border-color:rgb(0, 158, 193) }
```

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, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3040, 0.2083, 0.2698 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, 193) }
```

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

```
.background{ background-color: rgb(0, 158,  
193) }
```

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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