

Converting Colors

$Yxy(23.1619, 0.1536, 0.3164)$

Have a look what the booklet for
Yxy(23.1619, 0.1536, 0.3164)
contains.

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Color

Yxy(27.1341, 0.2216, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	009EA4
RGB	0, 158, 164
RGB Percent	0%, 62%, 64%
CMY	0.9984, 0.3804, 0.3568
CMYK	1.00, 0.04, 0.00, 0.36
HSL	182°, 99%, 32%
HSV	182°, 100%, 64%
XYZ	18.9324, 27.1341, 39.3684
YIQ	111.4420, -96.0940, -31.6300

Conversions

Conversions Part 2

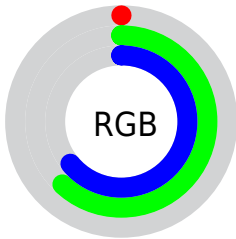
Format	Color
RYB	0, 80, 164
Decimal	40612
CIELab	59.10, -31.69, -13.00
CIELCh	59, 34.256, 202.306
Yxy	27.1341, 0.2216, 0.3176
Android (android.graphics.Color)	4278230692 (0xFF009EA4)
YUV	111.4420, 25.9111, -97.7346
Hunter-Lab	52.0904, -26.2820, -8.3463

Details

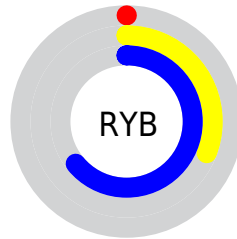
The Yxy color **27.1341, 0.2216, 0.3176** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.0348, 0.6365, 0.3324**, and the grayscale version is **16.0130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0301, 0.2395, 0.3207**, and **11.4779, 0.2203, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **27.1272, 0.2216, 0.3176**, and if you desaturate by 10%, it is **27.4564, 0.2236, 0.3188**.

Distribution



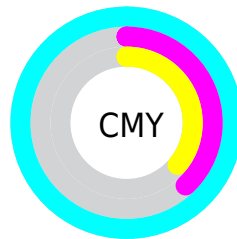
- Red (0%)
- Green (62%)
- Blue (64%)



- Red (0%)
- Yellow (31%)
- Blue (64%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (36%)





- Cyan (100%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1341, 0.2216, 0.3176 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 27.1341, 0.2216, 0.3176 by changing the saturation by 10% instead.


 27.1341, 0.2216,
0.3176


 27.1341, 0.2216,
0.3176


288.3058, 0.2697,
0.3253


 17.6740, 0.2089,
0.3148


 55.0990, 0.2396,
0.3210

 10.7162, 0.1922,
0.3107


 74.3725, 0.2462,
0.3221

 5.8763, 0.1694,
0.3041

 97.6860, 0.2518,
0.3229

 2.7700, 0.1372,
0.2922

 125.4237, 0.2565,
0.3236

 1.0129, 0.0507,
0.2796

 157.9702, 0.2605,
0.3241

 0.0000, 0.0000,
0.0000

 195.7098, 0.2640,

0.3246

239.0269, 0.2670,
0.3250

■ 27.1341, 0.2216,
0.3176

■ 27.1341, 0.2216,
0.3176

■ 27.1272, 0.2216,
0.3176

■ 27.4564, 0.2236,
0.3188

■ 27.8733, 0.2269,
0.3200

■ 28.4233, 0.2321,
0.3212

■ 29.1233, 0.2390,
0.3224

■ 29.9877, 0.2478,
0.3236

■ 31.0292, 0.2584,
0.3248

■ 32.2592, 0.2704,
0.3260

■ 33.6881, 0.2837,
0.3271

■ 35.3258, 0.2981,
0.3281

Harmonies

Analogous

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



27.1341, 0.2564, 0.3761



27.1341, 0.2216, 0.3176



27.1341, 0.2100, 0.2700

Triad

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



27.1341, 0.2216, 0.3176



27.1341, 0.3088, 0.2553



27.1341, 0.4082, 0.4117

Complementary

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



27.1341, 0.2216, 0.3176



8.0348, 0.6365, 0.3324

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.



27.1341, 0.4272, 0.3724



27.1341, 0.2216, 0.3176



27.1341, 0.3673, 0.2865

Square

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



27.1341, 0.2216, 0.3176



27.1341, 0.2565, 0.2398



27.1341, 0.4123, 0.3278



27.1341, 0.3639, 0.4330

Rectangle

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



27.1341, 0.2216, 0.3176



27.1341, 0.2155, 0.2501



27.1341, 0.4123, 0.3278



27.1341, 0.4179, 0.3999

Sweetspot

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



27.1351, 0.2216, 0.3176



58.3479, 0.2694, 0.3259



26.5720, 0.2993, 0.5973



12.5546, 0.2644, 0.3254



82.7571, 0.3127, 0.3290



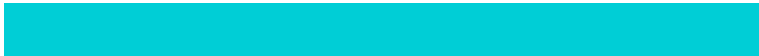
14.7319, 0.3127, 0.3290

Same Dimension

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



27.1351, 0.2216, 0.3176



49.1600, 0.2215, 0.3174



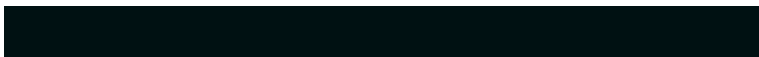
7.9581, 0.1747, 0.1488



7.9663, 0.2988, 0.3281



20.8113, 0.2216, 0.3177



0.4501, 0.2228, 0.3220

Inverse Universe

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



10.3716, 0.3302, 0.1594



18.7978, 0.3304, 0.1594



14.8202, 0.5292, 0.4177



7.1977, 0.3143, 0.3076



7.9450, 0.3302, 0.1592



0.1682, 0.3265, 0.1572

Previews

White Background



This preview shows how the Yxy color 27.1341, 0.2216, 0.3176 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 27.1341, 0.2216, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

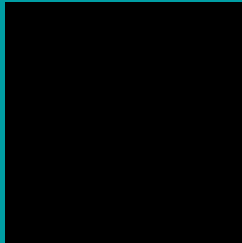
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1341, 0.2216, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 27.1341, 0.2216, 0.3176.

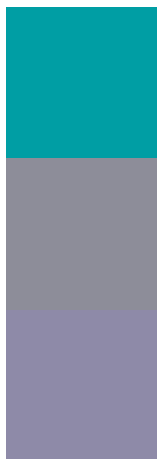


This preview shows how white text looks on a background with the Yxy color 27.1341, 0.2216, 0.3176.

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

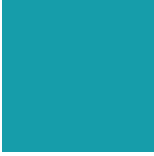
27.1341, 0.2216, 0.3176

Protanopia

27.0124, 0.3010, 0.3096

Deuteranopia

26.7549, 0.2880, 0.2821



Tritanopia

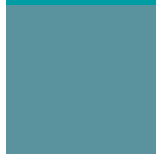
27.1868, 0.2205, 0.3052

Trichromacy



Original Color

27.1341, 0.2216, 0.3176



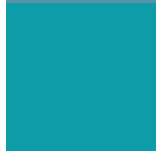
Protanomaly

25.4754, 0.2531, 0.3109



Deuteranomaly

25.2650, 0.2462, 0.2904



Tritanomaly

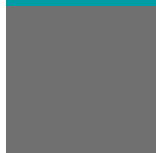
27.0345, 0.2204, 0.3087

Monochromacy



Original Color

27.1341, 0.2216, 0.3176



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.6788, 0.2528, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1341, 0.2216, 0.3176 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 164) }
```

Border

The CSS property to change the border of an element to Yxy 27.1341, 0.2216, 0.3176 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, 164) }
```

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

```
.border{ border-color:rgb(0, 158, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1341, 0.2216, 0.3176 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, 164) }
```

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

```
.background{ background-color: rgb(0, 158,  
164) }
```

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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