

Converting Colors

$Yxy(27.4552, 0.1971, 0.3131)$

Have a look what the booklet for
Yxy(27.4552, 0.1971, 0.3131)
contains.

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Color

Yxy(29.1347, 0.2207, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	00A3AB
RGB	0, 163, 171
RGB Percent	0%, 64%, 67%
CMY	0.9987, 0.3608, 0.3293
CMYK	1.00, 0.05, 0.00, 0.33
HSL	183°, 100%, 34%
HSV	183°, 100%, 67%
XYZ	20.4517, 29.1347, 43.0812
YIQ	115.1750, -99.7160, -32.0680

Conversions

Conversions Part 2

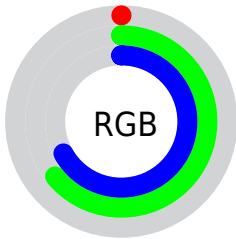
Format	Color
RYB	0, 83, 171
Decimal	41899
CIELab	60.90, -31.85, -14.24
CIELCh	61, 34.888, 204.090
Yxy	29.1347, 0.2207, 0.3144
Android (android.graphics.Color)	4278231979 (0xFF00A3AB)
YUV	115.1750, 27.5217, -101.0085
Hunter-Lab	53.9766, -26.8253, -9.5385

Details

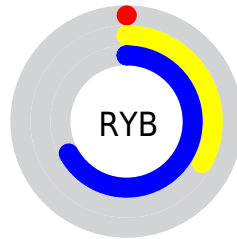
The Yxy color **29.1347, 0.2207, 0.3144** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.8415, 0.6360, 0.3329**, and the grayscale version is **17.1683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0667, 0.2385, 0.3183**, and **12.7008, 0.2191, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **29.1283, 0.2207, 0.3144**, and if you desaturate by 10%, it is **29.5431, 0.2228, 0.3159**.

Distribution



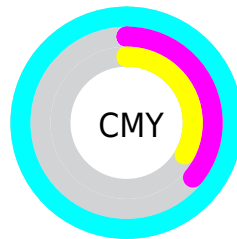
- Red (0%)
- Green (64%)
- Blue (67%)



- Red (0%)
- Yellow (33%)
- Blue (67%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)




- Cyan (100%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1347, 0.2207, 0.3144 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 29.1347, 0.2207, 0.3144 by changing the saturation by 10% instead.


 29.1347, 0.2207,
0.3144


 29.1347, 0.2207,
0.3144


 297.8500, 0.2687,
0.3238

 19.1827, 0.2082,
0.3112


 58.2910, 0.2385,
0.3184

 11.8024, 0.1920,
0.3066

 78.2642, 0.2451,
0.3197


 6.6093, 0.1702,
0.2994


 102.3465, 0.2506,
0.3207

 3.2190, 0.1396,
0.2872

 130.9225, 0.2553,
0.3216

 1.2471, 0.0795,
0.2683

 164.3764, 0.2594,
0.3223

 0.0997, 0.0000,
0.0823

 203.0927, 0.2629,

 0.0000, 0.0000,

0.3229

0.0000

247.4558, 0.2659,
0.3234

■ 29.1347, 0.2207,
0.3144

■ 29.1347, 0.2207,
0.3144

■ 29.1283, 0.2207,
0.3144

■ 29.5431, 0.2228,
0.3159

■ 30.0571, 0.2262,
0.3175

■ 30.7181, 0.2314,
0.3190

■ 31.5450, 0.2384,
0.3206

■ 32.5536, 0.2474,
0.3221

■ 33.7581, 0.2580,
0.3237

■ 35.1713, 0.2701,
0.3251

■ 36.8047, 0.2835,
0.3265

■ 38.6690, 0.2979,
0.3278

Harmonies

Analogous

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



29.1347, 0.2541, 0.3725



29.1347, 0.2207, 0.3144



29.1347, 0.2105, 0.2682

Triad

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



29.1347, 0.2207, 0.3144



29.1347, 0.3123, 0.2571



29.1347, 0.4057, 0.4133

Complementary

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



29.1347, 0.2207, 0.3144



8.8415, 0.6360, 0.3329

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.



29.1347, 0.4264, 0.3748



29.1347, 0.2207, 0.3144



29.1347, 0.3702, 0.2889

Square

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



29.1347, 0.2207, 0.3144



29.1347, 0.2595, 0.2407



29.1347, 0.4136, 0.3305



29.1347, 0.3606, 0.4328

Rectangle

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



29.1347, 0.2207, 0.3144



29.1347, 0.2169, 0.2492



29.1347, 0.4136, 0.3305



29.1347, 0.4159, 0.4018

Sweetspot

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



29.1358, 0.2207, 0.3144



62.7822, 0.2692, 0.3250



29.1471, 0.2994, 0.5975



13.7618, 0.2641, 0.3244



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.



29.1358, 0.2207, 0.3144



52.0663, 0.2206, 0.3141



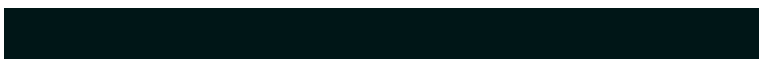
8.6773, 0.1745, 0.1481



9.0066, 0.2987, 0.3279



21.9760, 0.2207, 0.3145



0.6306, 0.2220, 0.3192

Inverse Universe

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



11.3109, 0.3329, 0.1608



20.2305, 0.3332, 0.1609



16.2041, 0.5298, 0.4173



8.1415, 0.3144, 0.3077



8.5215, 0.3328, 0.1607



0.2390, 0.3289, 0.1586

Previews

White Background



This preview shows how the Yxy color 29.1347, 0.2207, 0.3144 looks on a white background.

Color Contrast Check

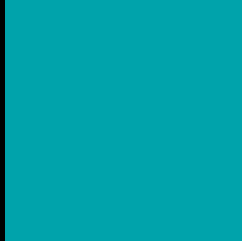
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1347, 0.2207, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

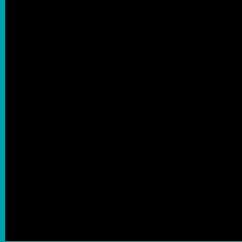
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

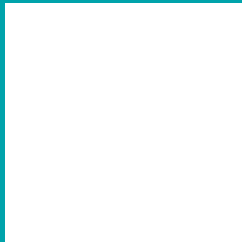
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.1347, 0.2207, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 29.1347, 0.2207, 0.3144.

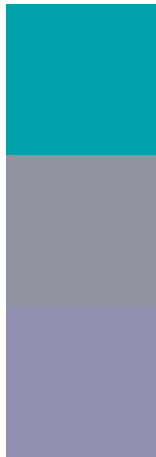


This preview shows how white text looks on a background with the Yxy color 29.1347, 0.2207, 0.3144.

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

29.1347, 0.2207, 0.3144

Protanopia

28.8086, 0.2985, 0.3055

Deuteranopia

28.8905, 0.2852, 0.2791



Tritanopia

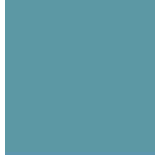
29.0845, 0.2203, 0.3058

Trichromacy



Original Color

29.1347, 0.2207, 0.3144



Protanomaly

27.4121, 0.2511, 0.3080



Deuteranomaly

27.1958, 0.2445, 0.2883



Tritanomaly

28.9822, 0.2199, 0.3075

Monochromacy



Original Color

29.1347, 0.2207, 0.3144



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.6683, 0.2522, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1347, 0.2207, 0.3144 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, 163, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 171)  
}
```

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, 163, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 171) }
```

Border

The CSS property to change the border of an element to Yxy 29.1347, 0.2207, 0.3144 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, 163, 171) }
```

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

```
.border{ border-color:rgb(0, 163, 171) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1347, 0.2207, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 171) }
```

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

```
.background{ background-color: rgb(0, 163,  
171) }
```

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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