

Converting Colors

$Yxy(26.4401, 0.1704, 0.3084)$

Have a look what the booklet for
Yxy(26.4401, 0.1704, 0.3084)
contains.

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Color

Yxy(29.6461, 0.2193, 0.3094)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00A4AF |
| RGB | 0, 164, 175 |
| RGB Percent | 0%, 64%, 69% |
| CMY | 0.9992, 0.3569, 0.3138 |
| CMYK | 1.00, 0.06, 0.00, 0.31 |
| HSL | 184°, 100%, 34% |
| HSV | 184°, 100%, 69% |
| XYZ | 21.0129, 29.6461, 45.1590 |
| YIQ | 116.2180, -101.2750, -31.3470 |

Conversions

Conversions Part 2

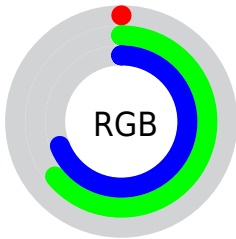
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 85, 175 |
| Decimal | 42159 |
| CIELab | 61.35, -31.06, -15.79 |
| CIELCh | 61, 34.846, 206.950 |
| Yxy | 29.6461, 0.2193, 0.3094 |
| Android (android.graphics.Color) | 4278232239 (0xFF00A4AF) |
| YUV | 116.2180, 28.9795, -101.9232 |
| Hunter-Lab | 54.4482, -26.3969, -11.0610 |

Details

The Yxy color **29.6461, 0.2193, 0.3094** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.3549, 0.6350, 0.3338**, and the grayscale version is **17.4870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9194, 0.2370, 0.3132**, and **13.0184, 0.2172, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **29.6414, 0.2193, 0.3094**, and if you desaturate by 10%, it is **30.1665, 0.2215, 0.3115**.

Distribution



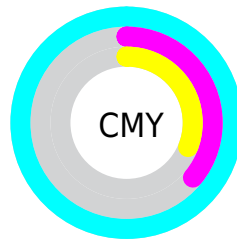
- Red (0%)
- Green (64%)
- Blue (69%)



- Red (0%)
- Yellow (33%)
- Blue (69%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (36%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6461, 0.2193, 0.3094 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 29.6461, 0.2193, 0.3094 by changing the saturation by 10% instead.


 29.6461, 0.2193,
0.3094


 29.6461, 0.2193,
0.3094


 300.2513, 0.2678,
0.3215

 19.5701, 0.2068,
0.3055


 59.1021, 0.2373,
0.3144


 12.0830, 0.1906,
0.3000


 79.2508, 0.2439,
0.3161


 6.8002, 0.1689,
0.2915


 103.5260, 0.2495,
0.3174

 3.3375, 0.1387,
0.2776

 132.3119, 0.2542,
0.3186

 1.3103, 0.0848,
0.2549

 165.9930, 0.2583,
0.3195

 0.1492, 0.0000,
0.1030

 204.9537, 0.2619,

 0.0000, 0.0000,

0.3203

0.0000

249.5783, 0.2650,
0.3209

■ 29.6461, 0.2193,
0.3094

■ 29.6461, 0.2193,
0.3094

■ 29.6414, 0.2193,
0.3094

■ 30.1665, 0.2215,
0.3115

■ 30.7999, 0.2251,
0.3135

■ 31.5895, 0.2304,
0.3157

■ 32.5553, 0.2377,
0.3178

■ 33.7143, 0.2468,
0.3198

■ 35.0813, 0.2575,
0.3219

■ 36.6699, 0.2698,
0.3238

■ 38.4924, 0.2833,
0.3257

■ 40.5602, 0.2978,
0.3274

Harmonies

Analogous

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



29.6461, 0.2504, 0.3667



29.6461, 0.2193, 0.3094



29.6461, 0.2114, 0.2653

Triad

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



29.6461, 0.2193, 0.3094



29.6461, 0.3179, 0.2600



29.6461, 0.4017, 0.4156

Complementary

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



29.6461, 0.2193, 0.3094



9.3549, 0.6350, 0.3338

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.



29.6461, 0.4250, 0.3786



29.6461, 0.2193, 0.3094



29.6461, 0.3749, 0.2928

Square

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



29.6461, 0.2193, 0.3094



29.6461, 0.2642, 0.2420



29.6461, 0.4156, 0.3347



29.6461, 0.3552, 0.4323

Rectangle

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



29.6461, 0.2193, 0.3094



29.6461, 0.2193, 0.2479



29.6461, 0.4156, 0.3347



29.6461, 0.4126, 0.4048

Sweetspot

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



29.6472, 0.2193, 0.3094



65.5024, 0.2690, 0.3237



30.6713, 0.2991, 0.5966



14.2886, 0.2638, 0.3229



89.0005, 0.3127, 0.3290



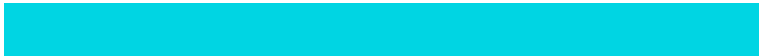
17.0645, 0.3127, 0.3290

Same Dimension

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



29.6472, 0.2193, 0.3094



52.9814, 0.2192, 0.3090



8.6658, 0.1729, 0.1424



8.9847, 0.2986, 0.3275



21.2674, 0.2193, 0.3096



0.6169, 0.2211, 0.3159

Inverse Universe

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



11.7959, 0.3372, 0.1632



21.1117, 0.3375, 0.1633



17.5371, 0.5254, 0.4209



8.1393, 0.3147, 0.3080



8.4500, 0.3370, 0.1630



0.2376, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 29.6461, 0.2193, 0.3094 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 29.6461, 0.2193, 0.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

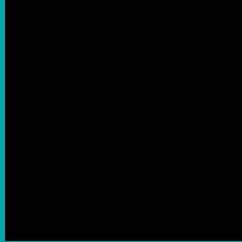
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6461, 0.2193, 0.3094

Background



This preview shows how black text looks on a background with the Yxy color 29.6461, 0.2193, 0.3094.



This preview shows how white text looks on a background with the Yxy color 29.6461, 0.2193, 0.3094.

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

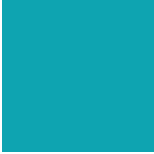
29.6461, 0.2193, 0.3094

Protanopia

29.2219, 0.2958, 0.3026

Deuteranopia

29.2209, 0.2817, 0.2764



Tritanopia

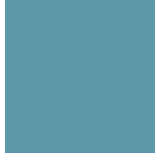
29.8186, 0.2196, 0.3060

Trichromacy



Original Color

29.6461, 0.2193, 0.3094



Protanomaly

27.8478, 0.2493, 0.3048



Deuteranomaly

27.6229, 0.2416, 0.2837



Tritanomaly

29.7436, 0.2196, 0.3077

Monochromacy



Original Color

29.6461, 0.2193, 0.3094



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.0370, 0.2518, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6461, 0.2193, 0.3094 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, 164, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 175)  
}
```

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, 164, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 175) }
```

Border

The CSS property to change the border of an element to Yxy 29.6461, 0.2193, 0.3094 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, 164, 175) }
```

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

```
.border{ border-color:rgb(0, 164, 175) }
```

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

Here you see how a box with a 4 pixel rgb(0, 164, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6461, 0.2193, 0.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 175) }
```

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

```
.background{ background-color: rgb(0, 164,  
175) }
```

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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