

Converting Colors

$Yxy(29.9896, 0.2179, 0.3045)$

Have a look what the booklet for
Yxy(29.9896, 0.2179, 0.3045)
contains.

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Color

Yxy(30.1246, 0.2184, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	00A5B2
RGB	0, 165, 178
RGB Percent	0%, 65%, 70%
CMY	0.9984, 0.3530, 0.3020
CMYK	1.00, 0.07, 0.00, 0.30
HSL	184°, 100%, 35%
HSV	184°, 100%, 70%
XYZ	21.4937, 30.1246, 46.7960
YIQ	117.1470, -102.5130, -30.9370

Conversions

Conversions Part 2

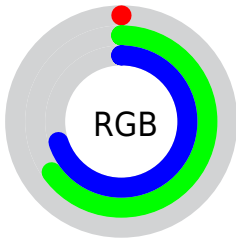
Format	Color
RYB	0, 86, 178
Decimal	42418
CIELab	61.76, -30.56, -16.86
CIELCh	62, 34.900, 208.887
Yxy	30.1246, 0.2184, 0.3061
Android (android.graphics.Color)	4278232498 (0xFF00A5B2)
YUV	117.1470, 30.0005, -102.7379
Hunter-Lab	54.8859, -26.1485, -12.1308

Details

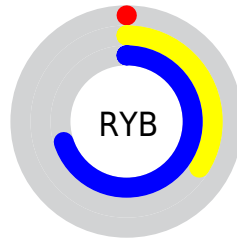
The Yxy color **30.1246, 0.2184, 0.3061** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.7630, 0.6340, 0.3344**, and the grayscale version is **17.8050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6137, 0.2360, 0.3107**, and **13.2909, 0.2166, 0.2996** is the 20% darker color. If you saturate the color by 10%, you get **30.1123, 0.2184, 0.3060**, and if you desaturate by 10%, it is **30.7259, 0.2207, 0.3085**.

Distribution



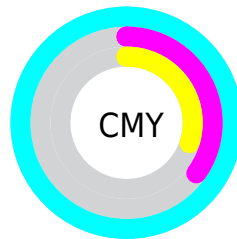
- Red (0%)
- Green (65%)
- Blue (70%)



- Red (0%)
- Yellow (34%)
- Blue (70%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)




- Cyan (100%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1246, 0.2184, 0.3061 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 30.1246, 0.2184, 0.3061 by changing the saturation by 10% instead.


 30.1246, 0.2184,
0.3061


 30.1246, 0.2184,
0.3061


 302.4848, 0.2672,
0.3199


 19.9332, 0.2059,
0.3018


 59.8592, 0.2364,
0.3118

 12.3465, 0.1897,
0.2956


 80.1711, 0.2431,
0.3137


 6.9801, 0.1681,
0.2865


 104.6253, 0.2487,
0.3152

 3.4497, 0.1383,
0.2716

 133.6063, 0.2535,
0.3165

 1.3708, 0.0885,
0.2469

 167.4983, 0.2576,
0.3176

 0.1950, 0.0000,
0.1180

 206.6858, 0.2612,

 0.0000, 0.0000,

0.3185

0.0000

251.5532, 0.2644,
0.3193

■ 30.1246, 0.2184,
0.3061

■ 30.1246, 0.2184,
0.3061

■ 30.1123, 0.2184,
0.3060

■ 30.7259, 0.2207,
0.3085

■ 31.4475, 0.2244,
0.3110

■ 32.3331, 0.2299,
0.3134

■ 33.4034, 0.2373,
0.3159

■ 34.6763, 0.2465,
0.3184

■ 36.1671, 0.2574,
0.3207

■ 37.8901, 0.2698,
0.3230

■ 39.8580, 0.2834,
0.3252

■ 42.0827, 0.2979,
0.3272

Harmonies

Analogous

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



30.1246, 0.2480, 0.3629



30.1246, 0.2184, 0.3061



30.1246, 0.2121, 0.2634

Triad

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



30.1246, 0.2184, 0.3061



30.1246, 0.3216, 0.2619



30.1246, 0.3989, 0.4172

Complementary

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



30.1246, 0.2184, 0.3061



9.7630, 0.6340, 0.3344

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.



30.1246, 0.4240, 0.3812



30.1246, 0.2184, 0.3061



30.1246, 0.3780, 0.2954

Square

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



30.1246, 0.2184, 0.3061



30.1246, 0.2675, 0.2429



30.1246, 0.4168, 0.3376



30.1246, 0.3516, 0.4319

Rectangle

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



30.1246, 0.2184, 0.3061



30.1246, 0.2209, 0.2470



30.1246, 0.4168, 0.3376



30.1246, 0.4104, 0.4068

Sweetspot

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



30.1257, 0.2184, 0.3061



68.4702, 0.2689, 0.3228



31.8670, 0.2988, 0.5954



14.8723, 0.2636, 0.3219



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



30.1257, 0.2184, 0.3061



54.4656, 0.2182, 0.3056



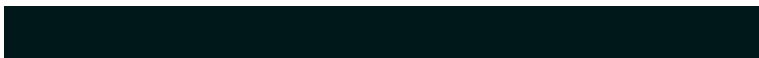
8.5750, 0.1715, 0.1372



9.5230, 0.2986, 0.3273



21.5878, 0.2184, 0.3063



0.7106, 0.2203, 0.3131

Inverse Universe

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



12.1893, 0.3401, 0.1648



22.0741, 0.3405, 0.1649



18.7796, 0.5205, 0.4247



8.6358, 0.3148, 0.3082



8.7194, 0.3399, 0.1646



0.2775, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 30.1246, 0.2184, 0.3061 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.1246, 0.2184, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

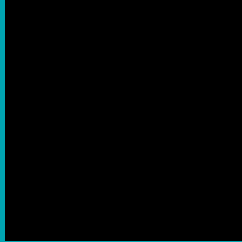
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1246, 0.2184, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 30.1246, 0.2184, 0.3061.

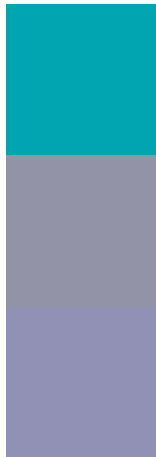


This preview shows how white text looks on a background with the Yxy color 30.1246, 0.2184, 0.3061.

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

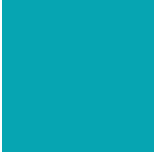
30.1246, 0.2184, 0.3061

Protanopia

29.7316, 0.2941, 0.2998

Deuteranopia

29.6479, 0.2793, 0.2738



Tritanopia

30.1633, 0.2189, 0.3061

Trichromacy



Original Color

30.1246, 0.2184, 0.3061



Protanomaly

28.3406, 0.2483, 0.3017



Deuteranomaly

28.0680, 0.2400, 0.2809



Tritanomaly

30.1504, 0.2187, 0.3061

Monochromacy



Original Color

30.1246, 0.2184, 0.3061



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.4101, 0.2513, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1246, 0.2184, 0.3061 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, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 178)  
}
```

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, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 178) }
```

Border

The CSS property to change the border of an element to Yxy 30.1246, 0.2184, 0.3061 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, 165, 178) }
```

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

```
.border{ border-color:rgb(0, 165, 178) }
```

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

Here you see how a box with a 4 pixel rgb(0, 165, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1246, 0.2184, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 178) }
```

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

```
.background{ background-color: rgb(0, 165,  
178) }
```

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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