

Converting Colors

$Y_{xy}(30.6235, 0.2175, 0.3029)$

Have a look what the booklet for
Yxy(30.6235, 0.2175, 0.3029)
contains.

Yxy(30.6086, 0.2175, 0.3029)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.6086, 0.2175, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	00A6B5
RGB	0, 166, 181
RGB Percent	0%, 65%, 71%
CMY	0.9989, 0.3490, 0.2902
CMYK	1.00, 0.08, 0.00, 0.29
HSL	185°, 100%, 36%
HSV	185°, 100%, 71%
XYZ	21.9788, 30.6086, 48.4645
YIQ	118.0760, -103.7510, -30.5270

Conversions

Conversions Part 2

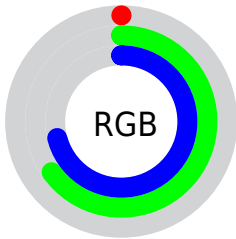
Format	Color
RYB	0, 87, 181
Decimal	42677
CIELab	62.18, -30.07, -17.92
CIElCh	62, 35.003, 210.791
Yxy	30.6086, 0.2175, 0.3029
Android (android.graphics.Color)	4278232757 (0xFF00A6B5)
YUV	118.0760, 31.0215, -103.5527
Hunter-Lab	55.3250, -25.9068, -13.2102

Details

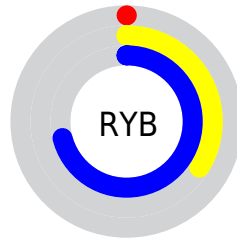
The Yxy color **30.6086, 0.2175, 0.3029** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.1738, 0.6334, 0.3351**, and the grayscale version is **18.0943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3687, 0.2353, 0.3083**, and **13.5931, 0.2154, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **30.5995, 0.2175, 0.3029**, and if you desaturate by 10%, it is **31.2896, 0.2199, 0.3057**.

Distribution



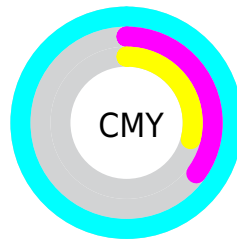
- Red (0%)
- Green (65%)
- Blue (71%)



- Red (0%)
- Yellow (34%)
- Blue (71%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (35%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6086, 0.2175, 0.3029 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 30.6086, 0.2175, 0.3029 by changing the saturation by 10% instead.


 30.6086, 0.2175,
0.3029


 30.6086, 0.2175,
0.3029


 304.7311, 0.2665,
0.3184

 20.3010, 0.2050,
0.2981


 60.6233, 0.2356,
0.3092


 12.6140, 0.1889,
0.2915


 81.0992, 0.2423,
0.3113


 7.1633, 0.1674,
0.2816


 105.7333, 0.2479,
0.3131

 3.5644, 0.1380,
0.2659

 134.9101, 0.2528,
0.3145

 1.4330, 0.0915,
0.2395

 169.0138, 0.2569,
0.3157

 0.2409, 0.0000,
0.1290

 208.4290, 0.2605,

 0.0000, 0.0000,

0.3168

0.0000

253.5399, 0.2637,
0.3177

■ 30.6086, 0.2175,
0.3029

■ 30.6086, 0.2175,
0.3029

■ 30.5995, 0.2175,
0.3029

■ 31.2896, 0.2199,
0.3057

■ 32.0969, 0.2237,
0.3085

■ 33.0758, 0.2293,
0.3113

■ 34.2481, 0.2368,
0.3141

■ 35.6322, 0.2461,
0.3169

■ 37.2445, 0.2571,
0.3196

■ 39.0995, 0.2696,
0.3222

■ 41.2107, 0.2832,
0.3246

■ 43.5904, 0.2978,
0.3269

Harmonies

Analogous

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



30.6086, 0.2456, 0.3591



30.6086, 0.2175, 0.3029



30.6086, 0.2127, 0.2616

Triad

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



30.6086, 0.2175, 0.3029



30.6086, 0.3253, 0.2638



30.6086, 0.3963, 0.4187

Complementary

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



30.6086, 0.2175, 0.3029



10.1738, 0.6334, 0.3351

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.



30.6086, 0.4230, 0.3837



30.6086, 0.2175, 0.3029



30.6086, 0.3810, 0.2980

Square

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



30.6086, 0.2175, 0.3029



30.6086, 0.2706, 0.2438



30.6086, 0.4181, 0.3404



30.6086, 0.3481, 0.4315

Rectangle

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



30.6086, 0.2175, 0.3029



30.6086, 0.2225, 0.2461



30.6086, 0.4181, 0.3404



30.6086, 0.4082, 0.4088

Sweetspot

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



30.6097, 0.2175, 0.3029



69.7958, 0.2687, 0.3220



33.0764, 0.2988, 0.5955



14.7786, 0.2634, 0.3210



91.1408, 0.3127, 0.3290



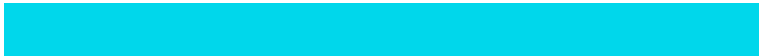
17.8868, 0.3127, 0.3290

Same Dimension

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



30.6097, 0.2175, 0.3029



54.6406, 0.2173, 0.3024



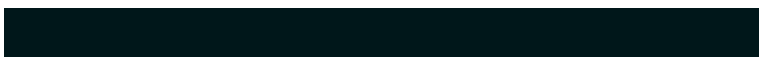
8.8711, 0.1714, 0.1369



9.5085, 0.2986, 0.3270



21.1439, 0.2176, 0.3032



0.7005, 0.2197, 0.3109

Inverse Universe

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



12.5828, 0.3429, 0.1663



22.5070, 0.3433, 0.1665



19.4626, 0.5208, 0.4245



8.6343, 0.3150, 0.3084



8.6746, 0.3426, 0.1661



0.2765, 0.3359, 0.1624

Previews

White Background



This preview shows how the Yxy color 30.6086, 0.2175, 0.3029 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 30.6086, 0.2175, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

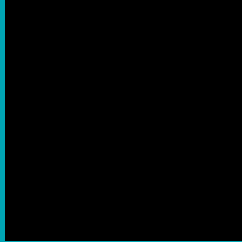
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6086, 0.2175, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 30.6086, 0.2175, 0.3029.

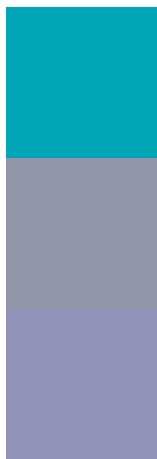


This preview shows how white text looks on a background with the Yxy color 30.6086, 0.2175, 0.3029.

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

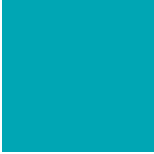
30.6086, 0.2175, 0.3029

Protanopia

30.1554, 0.2915, 0.2969

Deuteranopia

30.1715, 0.2779, 0.2714



Tritanopia

30.5677, 0.2179, 0.3046

Trichromacy



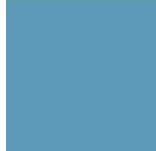
Original Color

30.6086, 0.2175, 0.3029



Protanomaly

28.7870, 0.2467, 0.2986



Deuteranomaly

28.5703, 0.2391, 0.2782



Tritanomaly

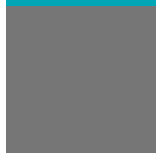
30.5677, 0.2179, 0.3046

Monochromacy



Original Color

30.6086, 0.2175, 0.3029



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.7469, 0.2501, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6086, 0.2175, 0.3029 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, 166, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 181)  
}
```

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, 166, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 181) }
```

Border

The CSS property to change the border of an element to Yxy 30.6086, 0.2175, 0.3029 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, 166, 181) }
```

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

```
.border{ border-color:rgb(0, 166, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6086, 0.2175, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 181) }
```

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

```
.background{ background-color: rgb(0, 166,  
181) }
```

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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