

Converting Colors

$Yxy(29.6759, 0.2228, 0.3188)$

Have a look what the booklet for
Yxy(29.6759, 0.2228, 0.3188)
contains.

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Color

Yxy(29.5177, 0.2226, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	0BA4AA
RGB	11, 164, 170
RGB Percent	4%, 64%, 67%
CMY	0.9584, 0.3569, 0.3333
CMYK	0.94, 0.04, 0.00, 0.33
HSL	182°, 88%, 35%
HSV	182°, 94%, 67%
XYZ	20.6624, 29.5177, 42.6429
YIQ	118.9370, -93.1140, -30.5700

Conversions

Conversions Part 2

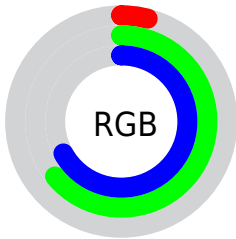
Format	Color
RYB	11, 89, 170
Decimal	763050
CIELab	61.24, -32.27, -13.16
CIElCh	61, 34.851, 202.189
Yxy	29.5177, 0.2226, 0.3180
Android (android.graphics.Color)	4278953130 (0xFF0BA4AA)
YUV	118.9370, 25.1741, -94.6607
Hunter-Lab	54.3302, -27.1923, -8.5046

Details

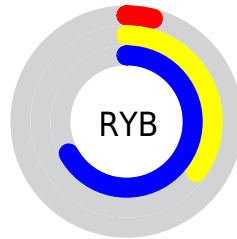
The Yxy color **29.5177, 0.2226, 0.3180** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.9598, 0.6248, 0.3326**, and the grayscale version is **18.3272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6407, 0.2400, 0.3209**, and **12.8963, 0.2205, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **29.3072, 0.2215, 0.3172**, and if you desaturate by 10%, it is **29.9220, 0.2253, 0.3192**.

Distribution



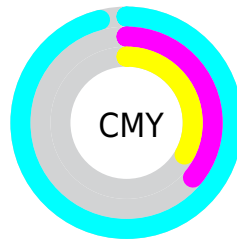
- Red (4%)
- Green (64%)
- Blue (67%)



- Red (4%)
- Yellow (35%)
- Blue (67%)



- Cyan (94%)
- Magenta (4%)
- Yellow (0%)
- Black (33%)





- Cyan (96%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5177, 0.2226, 0.3180 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 29.5177, 0.2226, 0.3180 by changing the saturation by 10% instead.


 29.5177, 0.2226,
0.3180


 29.5177, 0.2226,
0.3180


 299.6498, 0.2696,
0.3254

 19.4728, 0.2104,
0.3154


 58.8986, 0.2401,
0.3212

 12.0124, 0.1945,
0.3116


 79.0034, 0.2465,
0.3222

 6.7521, 0.1730,
0.3055


 103.2303, 0.2519,
0.3231

 3.3076, 0.1430,
0.2950

 131.9637, 0.2565,
0.3237

 1.2943, 0.0849,
0.2786

 165.5879, 0.2604,
0.3242

 0.1368, 0.0000,
0.1131

 204.4874, 0.2639,

 0.0000, 0.0000,

0.3247

0.0000

249.0466, 0.2669,
0.3251

■ 29.5177, 0.2226,
0.3180

■ 29.5177, 0.2226,
0.3180

■ 29.3072, 0.2215,
0.3172

■ 29.9220, 0.2253,
0.3192

■ 30.4612, 0.2296,
0.3205

■ 31.1564, 0.2358,
0.3217

■ 32.0242, 0.2439,
0.3230

■ 33.0794, 0.2538,
0.3242

■ 34.3349, 0.2653,
0.3254

■ 35.8025, 0.2782,
0.3266

■ 37.4931, 0.2921,
0.3276

■ 39.4170, 0.3070,
0.3286

Harmonies

Analogous

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



29.5177, 0.2572, 0.3758



29.5177, 0.2226, 0.3180



29.5177, 0.2110, 0.2708

Triad

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



29.5177, 0.2226, 0.3180



29.5177, 0.3087, 0.2559



29.5177, 0.4074, 0.4108

Complementary

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



29.5177, 0.2226, 0.3180



8.9598, 0.6248, 0.3326

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.



29.5177, 0.4260, 0.3719



29.5177, 0.2226, 0.3180



29.5177, 0.3665, 0.2868

Square

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



29.5177, 0.2226, 0.3180



29.5177, 0.2569, 0.2406



29.5177, 0.4111, 0.3277



29.5177, 0.3637, 0.4318

Rectangle

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



29.5177, 0.2226, 0.3180



29.5177, 0.2164, 0.2510



29.5177, 0.4111, 0.3277



29.5177, 0.4170, 0.3991

Sweetspot

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



29.5188, 0.2226, 0.3180



63.6386, 0.2719, 0.3260



28.8587, 0.2995, 0.5920



13.9487, 0.2666, 0.3255



86.8899, 0.3127, 0.3290



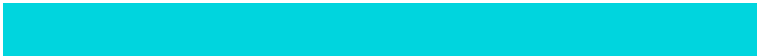
16.2647, 0.3127, 0.3290

Same Dimension

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



29.5188, 0.2226, 0.3180



53.0929, 0.2214, 0.3170



9.4674, 0.1791, 0.1594



8.4828, 0.2987, 0.3281



21.5750, 0.2215, 0.3174



0.5393, 0.2226, 0.3214

Inverse Universe

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



11.4576, 0.3297, 0.1615



20.3341, 0.3307, 0.1595



16.8673, 0.5181, 0.4204



7.6617, 0.3143, 0.3076



8.2491, 0.3304, 0.1594



0.2022, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 29.5177, 0.2226, 0.3180 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 29.5177, 0.2226, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

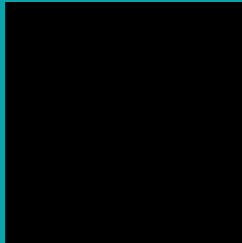
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5177, 0.2226, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 29.5177, 0.2226, 0.3180.

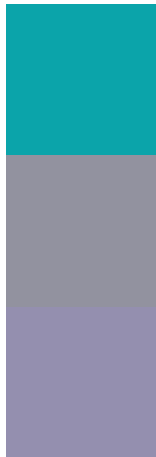


This preview shows how white text looks on a background with the Yxy color 29.5177, 0.2226, 0.3180.

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

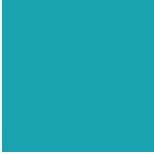
29.5243, 0.2226, 0.3180

Protanopia

29.1720, 0.3004, 0.3087

Deuteranopia

29.0360, 0.2879, 0.2808



Tritanopia

29.5356, 0.2210, 0.3060

Trichromacy



Original Color

29.5243, 0.2226, 0.3180



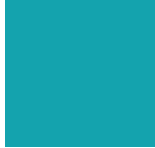
Protanomaly

27.9682, 0.2555, 0.3117



Deuteranomaly

27.7470, 0.2488, 0.2920



Tritanomaly

29.3991, 0.2212, 0.3093

Monochromacy



Original Color

29.5243, 0.2226, 0.3180



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.8684, 0.2562, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5177, 0.2226, 0.3180 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(11, 164, 170)` looks like.

```
.text, #text, p{  
    color:rgb(11, 164, 170)  
}
```

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(11, 164, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 164, 170) }
```

Border

The CSS property to change the border of an element to Yxy 29.5177, 0.2226, 0.3180 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(11, 164, 170) }
```

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

```
.border{ border-color:rgb(11, 164, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 164, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 164, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 164, 170);  
box-shadow:4px 4px 4px 4px rgb(11, 164,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5177, 0.2226, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 164, 170) }
```

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

```
.background{ background-color: rgb(11, 164,  
170) }
```

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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