

Converting Colors

$Y_{xy}(48.6502, 0.2290, 0.3364)$

Have a look what the booklet for
Yxy(48.6502, 0.2290, 0.3364)
contains.

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Color

Yxy(48.6209, 0.2290, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	1DCEC9
RGB	29, 206, 201
RGB Percent	11%, 81%, 79%
CMY	0.8862, 0.1921, 0.2119
CMYK	0.86, 0.00, 0.02, 0.19
HSL	178°, 75%, 46%
HSV	178°, 86%, 81%
XYZ	33.1177, 48.6209, 62.8803
YIQ	152.5070, -103.8870, -39.0790

Conversions

Conversions Part 2

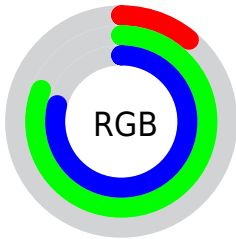
Format	Color
RYB	29, 119, 206
Decimal	1953481
CIELab	75.21, -41.33, -9.28
CIELCh	75, 42.358, 192.661
Yxy	48.6209, 0.2290, 0.3362
Android (android.graphics.Color)	4280143561 (0xFF1DCEC9)
YUV	152.5070, 23.9070, -108.3156
Hunter-Lab	69.7287, -37.2464, -4.6568

Details

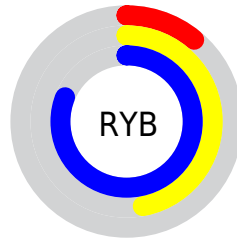
The Yxy color **48.6209, 0.2290, 0.3362** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.1175, 0.6066, 0.3271**, and the grayscale version is **31.5594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **24.2398, 0.2269, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **48.3881, 0.2275, 0.3371**, and if you desaturate by 10%, it is **49.0572, 0.2322, 0.3353**.

Distribution



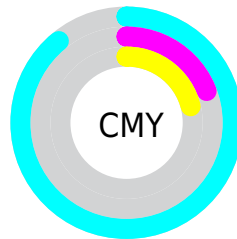
- Red (11%)
- Green (81%)
- Blue (79%)



- Red (11%)
- Yellow (47%)
- Blue (81%)



- Cyan (86%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)




- Cyan (89%)
- Magenta (19%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6209, 0.2290, 0.3362 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 48.6209, 0.2290, 0.3362 by changing the saturation by 10% instead.


 48.6209, 0.2290,
0.3362


 48.6209, 0.2290,
0.3362


381.2480, 0.2695,
0.3338


 34.3189, 0.2194,
0.3365


 88.1281, 0.2434,
0.3356


 23.1387, 0.2073,
0.3366


 114.1021, 0.2489,
0.3353

 14.6959, 0.1918,
0.3364

 144.7356, 0.2536,
0.3350

 8.6063, 0.1713,
0.3356

 180.4128, 0.2576,
0.3347

 4.4853, 0.1430,
0.3330

 221.5183, 0.2611,
0.3344

 1.9485, 0.0993,
0.3269

268.4364, 0.2643,

 0.5773, 0.0000,

0.3342

0.3054

321.5515, 0.2670,
0.3340

■ 0.0000, 0.0000,
0.0000

■ 48.6209, 0.2290,
0.3362

■ 48.6209, 0.2290,
0.3362

■ 48.3881, 0.2275,
0.3371

■ 49.0572, 0.2322,
0.3353

■ 48.3227, 0.2271,
0.3375

■ 49.7266, 0.2373,
0.3344

■ 50.6591, 0.2443,
0.3334

■ 51.8787, 0.2532,
0.3325

■ 53.4070, 0.2638,
0.3317

■ 55.2633, 0.2760,
0.3309

■ 57.4654, 0.2894,
0.3301

■ 60.0299, 0.3038,
0.3294

■ 62.9722, 0.3190,
0.3287

Harmonies

Analogous

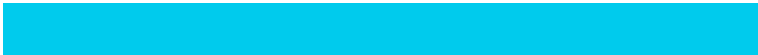
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.6209, 0.2709, 0.3947



48.6209, 0.2290, 0.3362



48.6209, 0.2095, 0.2823

Triad

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



48.6209, 0.2290, 0.3362



48.6209, 0.2902, 0.2471



48.6209, 0.4194, 0.4014

Complementary

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



48.6209, 0.2290, 0.3362



14.1175, 0.6066, 0.3271

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.



48.6209, 0.4283, 0.3585



48.6209, 0.2290, 0.3362



48.6209, 0.3495, 0.2742

Square

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



48.6209, 0.2290, 0.3362



48.6209, 0.2420, 0.2374



48.6209, 0.4021, 0.3135



48.6209, 0.3812, 0.4309

Rectangle

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



48.6209, 0.2290, 0.3362



48.6209, 0.2099, 0.2572



48.6209, 0.4021, 0.3135



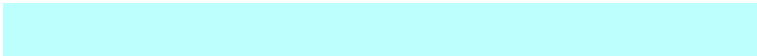
48.6209, 0.4262, 0.3879

Sweetspot

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



48.6227, 0.2290, 0.3362



89.3997, 0.2754, 0.3309



44.5901, 0.3019, 0.5857



18.8978, 0.2710, 0.3312



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.6227, 0.2290, 0.3362



78.2818, 0.2271, 0.3376



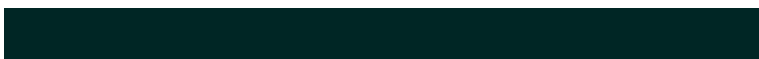
18.9850, 0.1900, 0.1921



12.7213, 0.2987, 0.3296



29.7561, 0.2270, 0.3373



1.5369, 0.2265, 0.3356

Inverse Universe

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



14.1175, 0.6066, 0.3271



21.2759, 0.6381, 0.3289



24.7133, 0.5202, 0.4090



11.2187, 0.3286, 0.3284



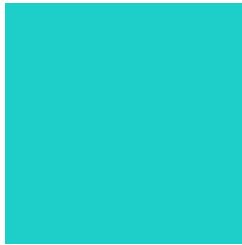
8.0903, 0.6367, 0.3281



0.4192, 0.6251, 0.3217

Previews

White Background



This preview shows how the Yxy color 48.6209, 0.2290, 0.3362 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 48.6209, 0.2290, 0.3362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

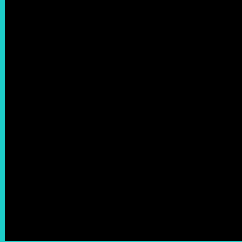
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

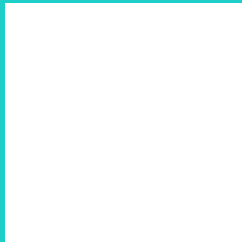
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6209, 0.2290, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 48.6209, 0.2290, 0.3362.

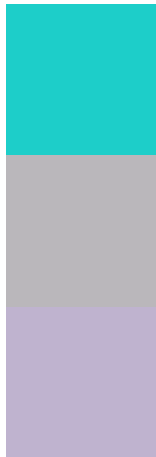


This preview shows how white text looks on a background with the Yxy color 48.6209, 0.2290, 0.3362.

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

48.6209, 0.2290, 0.3362

Protanopia

47.8939, 0.3121, 0.3239

Deuteranopia

47.8216, 0.3010, 0.2945



Tritanopia

48.5321, 0.2231, 0.3047

Trichromacy



Original Color

48.6209, 0.2290, 0.3362



Protanomaly

45.7345, 0.2663, 0.3274



Deuteranomaly

45.7085, 0.2600, 0.3068



Tritanomaly

48.4821, 0.2251, 0.3158

Monochromacy



Original Color

48.6209, 0.2290, 0.3362



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

35.5955, 0.2630, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6209, 0.2290, 0.3362 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(29, 206, 201)` looks like.

```
.text, #text, p{  
    color:rgb(29, 206, 201)  
}
```

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(29, 206, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 206, 201) }
```

Border

The CSS property to change the border of an element to Yxy 48.6209, 0.2290, 0.3362 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(29, 206, 201) }
```

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

```
.border{ border-color:rgb(29, 206, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 206, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 206, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 206, 201);  
box-shadow:4px 4px 4px 4px rgb(29, 206,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6209, 0.2290, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 206, 201) }
```

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

```
.background{ background-color: rgb(29, 206,  
201) }
```

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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