

Converting Colors

$Y_{xy}(45.8073, 0.2191, 0.3088)$

Have a look what the booklet for
Yxy(45.8073, 0.2191, 0.3088)
contains.

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Color

Yxy(45.6509, 0.2189, 0.3082)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C7D5 |
| RGB | 0, 199, 213 |
| RGB Percent | 0%, 78%, 84% |
| CMY | 1.0000, 0.2195, 0.1647 |
| CMYK | 1.00, 0.07, 0.00, 0.16 |
| HSL | 184°, 100%, 42% |
| HSV | 184°, 100%, 84% |
| XYZ | 32.4237, 45.6509, 70.0464 |
| YIQ | 141.0950, -123.0980, -37.8340 |

Conversions

Conversions Part 2

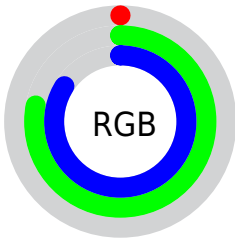
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 103, 213 |
| Decimal | 51157 |
| CIELab | 73.32, -35.63, -18.65 |
| CIELCh | 73, 40.218, 207.636 |
| Yxy | 45.6509, 0.2189, 0.3082 |
| Android (android.graphics.Color) | 4278241237 (0xFF00C7D5) |
| YUV | 141.0950, 35.4492, -123.7403 |
| Hunter-Lab | 67.5654, -32.5799, -14.1713 |

Details

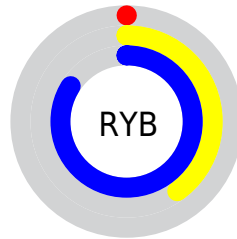
The Yxy color **45.6509, 0.2189, 0.3082** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.4581, 0.6360, 0.3332**, and the grayscale version is **26.5734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **22.4151, 0.2170, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **45.6584, 0.2190, 0.3082**, and if you desaturate by 10%, it is **46.4672, 0.2209, 0.3104**.

Distribution



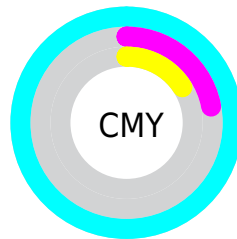
- Red (0%)
- Green (78%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6509, 0.2189, 0.3082 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 45.6509, 0.2189, 0.3082 by changing the saturation by 10% instead.


 45.6509, 0.2189,
0.3082


 45.6509, 0.2189,
0.3082


369.4034, 0.2642,
0.3202

 31.9704, 0.2082,
0.3048


 83.6963, 0.2349,
0.3129

 21.3389, 0.1949,
0.3001


 108.8300, 0.2411,
0.3146


 13.3720, 0.1779,
0.2936


 138.5503, 0.2463,
0.3159

 7.6852, 0.1556,
0.2839

 173.2414, 0.2508,
0.3171

 3.8942, 0.1257,
0.2684

 213.2879, 0.2548,
0.3180

 1.6145, 0.0799,
0.2425

259.0742, 0.2583,

 0.3674, 0.0000,

0.3189

0.1613

310.9845, 0.2614,
0.3196

■ 0.0000, 0.0000,
0.0000

■ 45.6509, 0.2189,
0.3082

■ 45.6509, 0.2189,
0.3082

■ 45.6584, 0.2190,
0.3082

■ 46.4672, 0.2209,
0.3104

■ 47.4614, 0.2244,
0.3126

■ 48.7010, 0.2296,
0.3148

■ 50.2188, 0.2368,
0.3171

■ 52.0428, 0.2459,
0.3193

■ 54.1973, 0.2567,
0.3214

■ 56.7042, 0.2691,
0.3235

■ 59.5836, 0.2828,
0.3255

■ 62.8539, 0.2974,
0.3273

Harmonies

Analogous

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



45.6509, 0.2495, 0.3654



45.6509, 0.2189, 0.3082



45.6509, 0.2116, 0.2646

Triad

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



45.6509, 0.2189, 0.3082



45.6509, 0.3192, 0.2606



45.6509, 0.4008, 0.4163

Complementary

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



45.6509, 0.2189, 0.3082



14.4581, 0.6360, 0.3332

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.



45.6509, 0.4247, 0.3796



45.6509, 0.2189, 0.3082



45.6509, 0.3760, 0.2937

Square

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



45.6509, 0.2189, 0.3082



45.6509, 0.2653, 0.2422



45.6509, 0.4161, 0.3357



45.6509, 0.3540, 0.4323

Rectangle

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



45.6509, 0.2189, 0.3082



45.6509, 0.2198, 0.2475



45.6509, 0.4161, 0.3357



45.6509, 0.4119, 0.4056

Sweetspot

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



45.6584, 0.2190, 0.3082



85.1037, 0.2687, 0.3234



47.6073, 0.2993, 0.5974



17.8594, 0.2633, 0.3226



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.



45.6584, 0.2190, 0.3082



68.5266, 0.2189, 0.3080



13.1413, 0.1722, 0.1399



13.9618, 0.2983, 0.3274



27.9519, 0.2190, 0.3085



1.7289, 0.2201, 0.3123

Inverse Universe

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



18.2691, 0.3383, 0.1637



27.4489, 0.3384, 0.1638



26.9012, 0.5273, 0.4195



12.6180, 0.3148, 0.3075



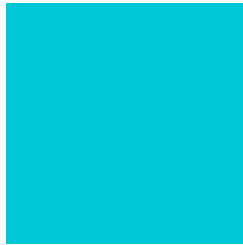
11.1666, 0.3380, 0.1636



0.6779, 0.3347, 0.1618

Previews

White Background



This preview shows how the Yxy color 45.6509, 0.2189, 0.3082 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 45.6509, 0.2189, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

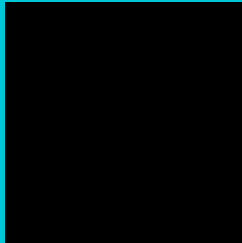
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

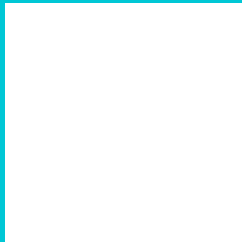
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6509, 0.2189, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 45.6509, 0.2189, 0.3082.



This preview shows how white text looks on a background with the Yxy color 45.6509, 0.2189, 0.3082.

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

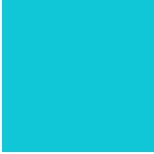
45.6509, 0.2189, 0.3082

Protanopia

44.7979, 0.2947, 0.3005

Deuteranopia

44.9520, 0.2808, 0.2751



Tritanopia

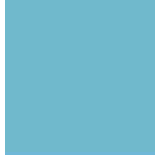
45.8547, 0.2190, 0.3054

Trichromacy



Original Color

45.6509, 0.2189, 0.3082



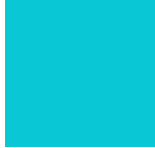
Protanomaly

42.5023, 0.2479, 0.3016



Deuteranomaly

42.6836, 0.2411, 0.2842



Tritanomaly

45.7664, 0.2191, 0.3068

Monochromacy



Original Color

45.6509, 0.2189, 0.3082



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.8043, 0.2508, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6509, 0.2189, 0.3082 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, 199, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 213)  
}
```

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, 199, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 213) }
```

Border

The CSS property to change the border of an element to Yxy 45.6509, 0.2189, 0.3082 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, 199, 213) }
```

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

```
.border{ border-color:rgb(0, 199, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6509, 0.2189, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 213) }
```

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

```
.background{ background-color: rgb(0, 199,  
213) }
```

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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