

Converting Colors

$Y_{xy}(46.7895, 0.2183, 0.3056)$

Have a look what the booklet for
Yxy(46.7895, 0.2183, 0.3056)
contains.

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Color

Yxy(46.7895, 0.2183, 0.3056)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 01C9D9 |
| RGB | 1, 201, 217 |
| RGB Percent | 0%, 79%, 85% |
| CMY | 0.9946, 0.2118, 0.1491 |
| CMYK | 0.99, 0.07, 0.00, 0.15 |
| HSL | 184°, 99%, 43% |
| HSV | 184°, 99%, 85% |
| XYZ | 33.4233, 46.7895, 72.8942 |
| YIQ | 143.0240, -124.3360, -37.4240 |

Conversions

Conversions Part 2

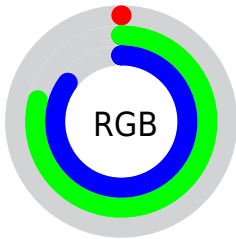
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 1, 105, 217 |
| Decimal | 117209 |
| CIELab | 74.05, -35.25, -19.69 |
| CIELCh | 74, 40.378, 209.192 |
| Yxy | 46.7895, 0.2183, 0.3056 |
| Android (android.graphics.Color) | 4278307289 (0xFF01C9D9) |
| YUV | 143.0240, 36.4702, -124.5550 |
| Hunter-Lab | 68.4029, -32.4856, -15.3010 |

Details

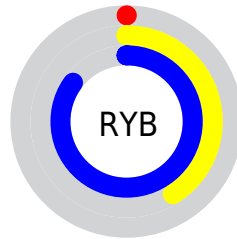
The Yxy color **46.7895, 0.2183, 0.3056** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.1616, 0.6344, 0.3337**, and the grayscale version is **27.4125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **23.1664, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **46.7351, 0.2182, 0.3054**, and if you desaturate by 10%, it is **47.7185, 0.2204, 0.3081**.

Distribution



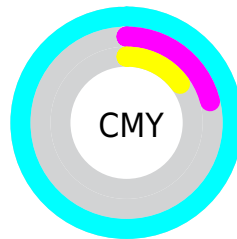
- Red (0%)
- Green (79%)
- Blue (85%)



- Red (0%)
- Yellow (41%)
- Blue (85%)



- Cyan (99%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)





- Cyan (99%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7895, 0.2183, 0.3056 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 46.7895, 0.2183, 0.3056 by changing the saturation by 10% instead.

 46.7895, 0.2183,
0.3056

 46.7895, 0.2183,
0.3056

 373.9737, 0.2636,
0.3189


 32.8693, 0.2077,
0.3019


 85.3993, 0.2343,
0.3107

 22.0263, 0.1945,
0.2969


 110.8577, 0.2404,
0.3126

 13.8762, 0.1777,
0.2900


 140.9310, 0.2457,
0.3141

 8.0346, 0.1557,
0.2798

 176.0034, 0.2502,
0.3154

 4.1171, 0.1264,
0.2638

 216.4596, 0.2542,
0.3164

 1.7393, 0.0843,
0.2371

 262.6837, 0.2577,

 0.4489, 0.0000,

0.3174

0.1710

315.0603, 0.2608,
0.3182

■ 0.0000, 0.0000,
0.0000

■ 46.7895, 0.2183,
0.3056

■ 46.7895, 0.2183,
0.3056

■ 46.7351, 0.2182,
0.3054

■ 47.7185, 0.2204,
0.3081

■ 48.8491, 0.2240,
0.3106

■ 50.2398, 0.2295,
0.3131

■ 51.9247, 0.2369,
0.3157

■ 53.9328, 0.2463,
0.3182

■ 56.2893, 0.2573,
0.3206

■ 59.0170, 0.2698,
0.3229

■ 62.1369, 0.2836,
0.3252

■ 65.6681, 0.2983,
0.3272

Harmonies

Analogous

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



46.7895, 0.2477, 0.3622



46.7895, 0.2183, 0.3056



46.7895, 0.2122, 0.2632

Triad

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



46.7895, 0.2183, 0.3056



46.7895, 0.3222, 0.2623



46.7895, 0.3985, 0.4174

Complementary

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



46.7895, 0.2183, 0.3056



15.1616, 0.6344, 0.3337

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.



46.7895, 0.4238, 0.3816



46.7895, 0.2183, 0.3056



46.7895, 0.3784, 0.2959

Square

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



46.7895, 0.2183, 0.3056



46.7895, 0.2680, 0.2431



46.7895, 0.4170, 0.3380



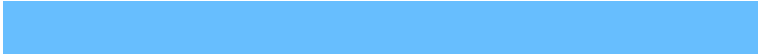
46.7895, 0.3511, 0.4318

Rectangle

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



46.7895, 0.2183, 0.3056



46.7895, 0.2212, 0.2469



46.7895, 0.4170, 0.3380



46.7895, 0.4100, 0.4071

Sweetspot

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



46.7912, 0.2183, 0.3056



84.7023, 0.2686, 0.3227



49.6559, 0.2990, 0.5960



17.7618, 0.2632, 0.3218



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.



46.7912, 0.2183, 0.3056



67.2763, 0.2181, 0.3052



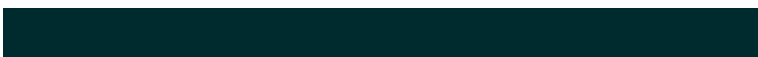
13.1647, 0.1711, 0.1356



14.6558, 0.2982, 0.3272



28.3679, 0.2183, 0.3058



1.8881, 0.2194, 0.3099

Inverse Universe

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



18.9940, 0.3405, 0.1651



27.3227, 0.3408, 0.1651



29.0511, 0.5215, 0.4236



13.2573, 0.3149, 0.3076



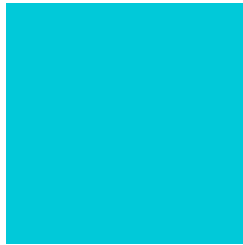
11.4875, 0.3403, 0.1648



0.7493, 0.3368, 0.1629

Previews

White Background



This preview shows how the Yxy color 46.7895, 0.2183, 0.3056 looks on a white background.

Color Contrast Check

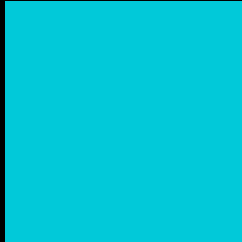
Large Text (above 18pt) WCAG AA × Fail

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 46.7895, 0.2183, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

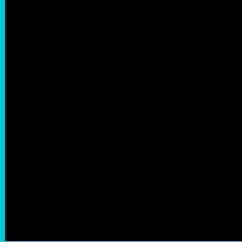
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7895, 0.2183, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 46.7895, 0.2183, 0.3056.

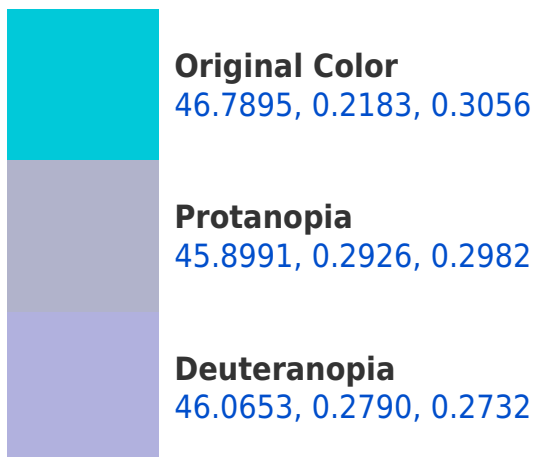


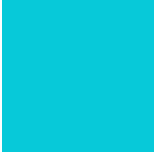
This preview shows how white text looks on a background with the Yxy color 46.7895, 0.2183, 0.3056.

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





Tritanopia

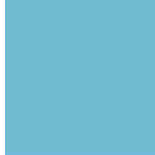
46.8282, 0.2186, 0.3056

Trichromacy



Original Color

46.7895, 0.2183, 0.3056



Protanomaly

43.6054, 0.2467, 0.2991



Deuteranomaly

43.7958, 0.2401, 0.2820



Tritanomaly

46.8153, 0.2185, 0.3056

Monochromacy



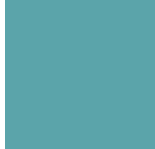
Original Color

46.7895, 0.2183, 0.3056



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.6773, 0.2501, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7895, 0.2183, 0.3056 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(1, 201, 217)` looks like.

```
.text, #text, p{  
    color:rgb(1, 201, 217)  
}
```

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(1, 201, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 201, 217) }
```

Border

The CSS property to change the border of an element to Yxy 46.7895, 0.2183, 0.3056 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(1, 201, 217) }
```

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

```
.border{ border-color:rgb(1, 201, 217) }
```

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

Here you see how a box with a 4 pixel rgb(1, 201, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 201, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 201, 217);  
box-shadow:4px 4px 4px 4px rgb(1, 201,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7895, 0.2183, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 201, 217) }
```

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

```
.background{ background-color: rgb(1, 201,  
217) }
```

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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