

Converting Colors

$Yxy(44.8694, 0.1707, 0.3055)$

Have a look what the booklet for
Yxy(44.8694, 0.1707, 0.3055)
contains.

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Color

Yxy(50.4395, 0.2188, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	00D0DF
RGB	0, 208, 223
RGB Percent	0%, 82%, 87%
CMY	0.9987, 0.1843, 0.1255
CMYK	1.00, 0.07, 0.00, 0.13
HSL	184°, 100%, 44%
HSV	184°, 100%, 87%
XYZ	35.8783, 50.4395, 77.6598
YIQ	147.5180, -128.7830, -39.4310

Conversions

Conversions Part 2

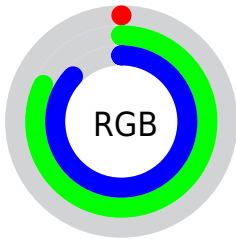
Format	Color
RYB	0, 108, 223
Decimal	53471
CIELab	76.34, -36.65, -19.49
CIELCh	76, 41.514, 208.000
Yxy	50.4395, 0.2188, 0.3076
Android (android.graphics.Color)	4278243551 (0xFF00D0DF)
YUV	147.5180, 37.2126, -129.3733
Hunter-Lab	71.0208, -34.1117, -15.1179

Details

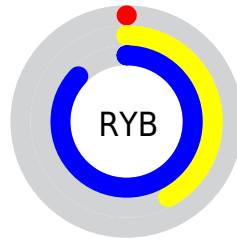
The Yxy color **50.4395, 0.2188, 0.3076** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.0412, 0.6358, 0.3332**, and the grayscale version is **29.3308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **25.6096, 0.2169, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **50.4278, 0.2188, 0.3076**, and if you desaturate by 10%, it is **51.3535, 0.2208, 0.3098**.

Distribution



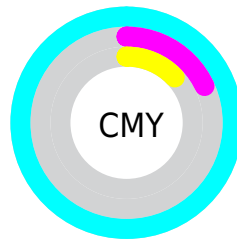
- Red (0%)
- Green (82%)
- Blue (87%)



- Red (0%)
- Yellow (42%)
- Blue (87%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4395, 0.2188, 0.3076 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 50.4395, 0.2188, 0.3076 by changing the saturation by 10% instead.


 50.4395, 0.2188,
0.3076

 50.4395, 0.2188,
0.3076


388.3822, 0.2633,
0.3197


 35.7627, 0.2085,
0.3042


 90.8257, 0.2344,
0.3123


 24.2510, 0.1958,
0.2997


 117.3040, 0.2404,
0.3140


 15.5199, 0.1797,
0.2935


 148.4848, 0.2456,
0.3153

 9.1851, 0.1588,
0.2844

 184.7527, 0.2501,
0.3165

 4.8621, 0.1311,
0.2703

 226.4920, 0.2540,
0.3175

 2.1666, 0.0938,
0.2465

274.0870, 0.2575,

 0.7017, 0.0000,

0.3183

0.2090

327.9223, 0.2606,
0.3191

■ 0.0000, 0.0000,
0.0000

■ 50.4395, 0.2188,
0.3076

■ 50.4395, 0.2188,
0.3076

■ 50.4278, 0.2188,
0.3076

■ 51.3535, 0.2208,
0.3098

■ 52.4755, 0.2242,
0.3121

■ 53.8712, 0.2295,
0.3144

■ 55.5775, 0.2367,
0.3167

■ 57.6256, 0.2459,
0.3190

■ 60.0427, 0.2568,
0.3212

■ 62.8534, 0.2692,
0.3234

■ 66.0800, 0.2829,
0.3254

■ 69.7432, 0.2976,
0.3273

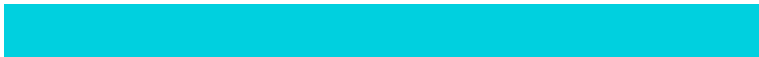
Harmonies

Analogous

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



50.4395, 0.2491, 0.3646



50.4395, 0.2188, 0.3076



50.4395, 0.2118, 0.2643

Triad

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



50.4395, 0.2188, 0.3076



50.4395, 0.3199, 0.2610



50.4395, 0.4002, 0.4165

Complementary

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



50.4395, 0.2188, 0.3076



16.0412, 0.6358, 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.



50.4395, 0.4245, 0.3800



50.4395, 0.2188, 0.3076



50.4395, 0.3766, 0.2942

Square

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



50.4395, 0.2188, 0.3076



50.4395, 0.2660, 0.2425



50.4395, 0.4163, 0.3363



50.4395, 0.3533, 0.4321

Rectangle

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



50.4395, 0.2188, 0.3076



50.4395, 0.2202, 0.2474



50.4395, 0.4163, 0.3363



50.4395, 0.4114, 0.4059

Sweetspot

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



50.4413, 0.2188, 0.3076



85.0186, 0.2687, 0.3233



52.8155, 0.2990, 0.5964



17.8387, 0.2633, 0.3224



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.



50.4413, 0.2188, 0.3076



68.2606, 0.2187, 0.3074



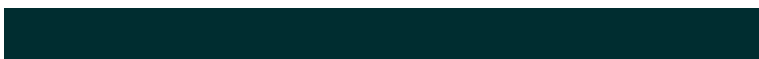
13.8483, 0.1707, 0.1345



15.4058, 0.2982, 0.3274



29.7163, 0.2189, 0.3079



2.1080, 0.2198, 0.3114

Inverse Universe

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



20.2503, 0.3388, 0.1640



27.4221, 0.3389, 0.1641



30.7443, 0.5225, 0.4232



13.9189, 0.3148, 0.3074



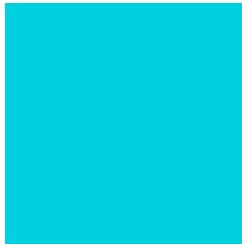
11.9079, 0.3385, 0.1638



0.8303, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 50.4395, 0.2188, 0.3076 looks on a white background.

Color Contrast Check

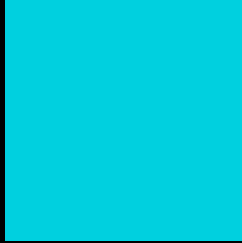
Large Text (above 18pt) WCAG AA × Fail

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 50.4395, 0.2188, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

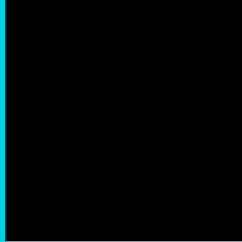
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4395, 0.2188, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 50.4395, 0.2188, 0.3076.



This preview shows how white text looks on a background with the Yxy color 50.4395, 0.2188, 0.3076.

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

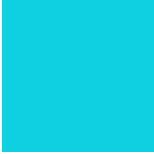
50.4395, 0.2188, 0.3076

Protanopia

49.4423, 0.2947, 0.3004

Deuteranopia

49.7145, 0.2800, 0.2738



Tritanopia

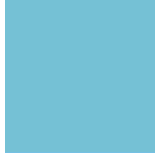
50.6414, 0.2188, 0.3050

Trichromacy



Original Color

50.4395, 0.2188, 0.3076



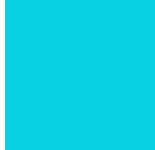
Protanomaly

46.7259, 0.2477, 0.3013



Deuteranomaly

47.0272, 0.2402, 0.2821



Tritanomaly

50.5516, 0.2189, 0.3063

Monochromacy



Original Color

50.4395, 0.2188, 0.3076



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.2243, 0.2505, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4395, 0.2188, 0.3076 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, 208, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 223)  
}
```

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, 208, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 223) }
```

Border

The CSS property to change the border of an element to Yxy 50.4395, 0.2188, 0.3076 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, 208, 223) }
```

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

```
.border{ border-color:rgb(0, 208, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4395, 0.2188, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 223) }
```

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

```
.background{ background-color: rgb(0, 208,  
223) }
```

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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