

Converting Colors

$Yxy(50.4424, 0.2296, 0.3288)$

Have a look what the booklet for
Yxy(50.4424, 0.2296, 0.3288)
contains.

Yxy(50.2702, 0.2296, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.2702, 0.2296, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	2FD0D0
RGB	47, 208, 208
RGB Percent	18%, 82%, 82%
CMY	0.8166, 0.1842, 0.1844
CMYK	0.78, 0.00, 0.00, 0.18
HSL	180°, 63%, 50%
HSV	180°, 78%, 82%
XYZ	35.1035, 50.2702, 67.5162
YIQ	159.8610, -95.9560, -34.1320

Conversions

Conversions Part 2

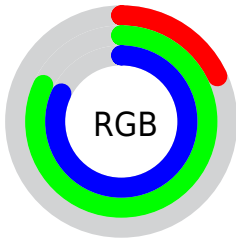
Format	Color
R _Y B	47, 128, 208
Decimal	3133648
CIE Lab	76.23, -38.83, -11.52
CIE LCh	76, 40.502, 196.528
Yxy	50.2702, 0.2296, 0.3288
Android (android.graphics.Color)	4281323728 (0xFF2FD0D0)
YUV	159.8610, 23.7325, -98.9791
Hunter-Lab	70.9015, -35.7017, -6.8281

Details

The Yxy color **50.2702, 0.2296, 0.3288** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **15.6311, 0.5809, 0.3298**, and the grayscale version is **34.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **25.1156, 0.2241, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **49.8921, 0.2265, 0.3288**, and if you desaturate by 10%, it is **50.8871, 0.2345, 0.3288**.

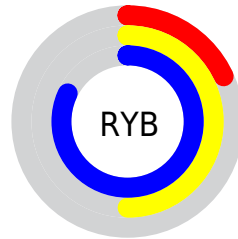
Distribution



Red (18%)

Green (82%)

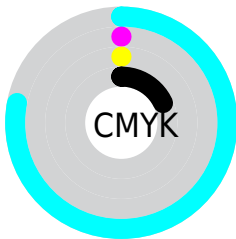
Blue (82%)



Red (18%)

Yellow (50%)

Blue (82%)

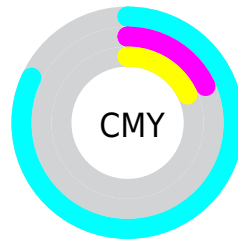


Cyan (78%)

Magenta (0%)

Yellow (0%)

Black (18%)



Cyan (82%)


Magenta (18%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2702, 0.2296, 0.3288 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 50.2702, 0.2296, 0.3288 by changing the saturation by 10% instead.


 50.2702, 0.2296,
0.3288

 50.2702, 0.2296,
0.3288


387.7216, 0.2695,
0.3301


 35.6281, 0.2202,
0.3281


 90.5751, 0.2437,
0.3295


 24.1471, 0.2085,
0.3271


 117.0067, 0.2491,
0.3297


 15.4428, 0.1935,
0.3254

 148.1370, 0.2537,
0.3299

 9.1307, 0.1737,
0.3225

 184.3502, 0.2577,
0.3300

 4.8266, 0.1467,
0.3170

 226.0310, 0.2612,
0.3300

 2.1459, 0.1084,
0.3058

273.5635, 0.2643,

 0.6902, 0.0000,

0.3301

0.2904

327.3323, 0.2670,
0.3301

0.0000, 0.0000,
0.0000

50.2702, 0.2296,
0.3288

50.2702, 0.2296,
0.3288

49.8921, 0.2265,
0.3288

50.8871, 0.2345,
0.3288

49.7060, 0.2250,
0.3288

51.7667, 0.2414,
0.3288


49.6726, 0.2247,
0.3288

52.9363, 0.2502,
0.3288


54.4183, 0.2608,
0.3289

56.2327, 0.2730,
0.3289

 58.3981, 0.2865,
0.3289

 60.9316, 0.3012,
0.3290

 63.8491, 0.3166,
0.3290

 67.1657, 0.3325,
0.3291

Harmonies

Analogous

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



50.2702, 0.2672, 0.3844



50.2702, 0.2296, 0.3288



50.2702, 0.2138, 0.2797

Triad

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



50.2702, 0.2296, 0.3288



50.2702, 0.2984, 0.2535



50.2702, 0.4106, 0.4027

Complementary

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



50.2702, 0.2296, 0.3288



15.6311, 0.5809, 0.3298

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.



50.2702, 0.4228, 0.3630



50.2702, 0.2296, 0.3288



50.2702, 0.3548, 0.2812

Square

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



50.2702, 0.2296, 0.3288



50.2702, 0.2506, 0.2420



50.2702, 0.4021, 0.3199



50.2702, 0.3718, 0.4273

Rectangle

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



50.2702, 0.2296, 0.3288



50.2702, 0.2161, 0.2575



50.2702, 0.4021, 0.3199



50.2702, 0.4182, 0.3905

Sweetspot

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



50.2721, 0.2296, 0.3288



90.5220, 0.2786, 0.3289



45.9878, 0.3022, 0.5705



19.1184, 0.2737, 0.3289



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.



50.2721, 0.2296, 0.3288



78.8641, 0.2253, 0.3288



21.1413, 0.1968, 0.2026



13.4071, 0.2983, 0.3290



30.9532, 0.2247, 0.3288



1.7307, 0.2247, 0.3288

Inverse Universe

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



15.6311, 0.5809, 0.3298



21.7311, 0.6310, 0.3299



28.2093, 0.4948, 0.4127



11.8083, 0.3291, 0.3290



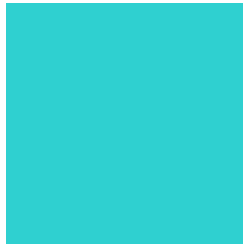
8.3579, 0.6401, 0.3300



0.4673, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 50.2702, 0.2296, 0.3288 looks on a white background.

Color Contrast Check

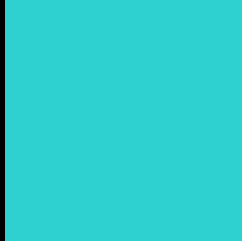
Large Text (above 18pt) WCAG AA × Fail

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 50.2702, 0.2296, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

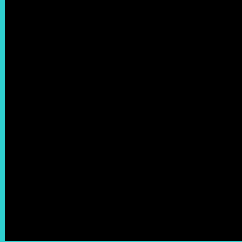
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

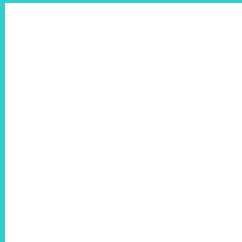
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2702, 0.2296, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 50.2702, 0.2296, 0.3288.

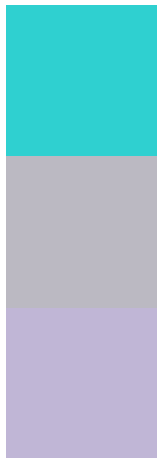


This preview shows how white text looks on a background with the Yxy color 50.2702, 0.2296, 0.3288.

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

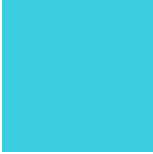
50.2702, 0.2296, 0.3288

Protanopia

49.1578, 0.3074, 0.3176

Deuteranopia

49.5174, 0.2966, 0.2902



Tritanopia

50.3699, 0.2250, 0.3051

Trichromacy



Original Color

50.2702, 0.2296, 0.3288



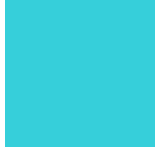
Protanomaly

47.4977, 0.2668, 0.3206



Deuteranomaly

47.5040, 0.2606, 0.3007



Tritanomaly

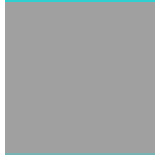
50.4719, 0.2265, 0.3133

Monochromacy



Original Color

50.2702, 0.2296, 0.3288



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.5405, 0.2668, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2702, 0.2296, 0.3288 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(47, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(47, 208, 208)  
}
```

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(47, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 208, 208) }
```

Border

The CSS property to change the border of an element to Yxy 50.2702, 0.2296, 0.3288 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(47, 208, 208) }
```

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

```
.border{ border-color:rgb(47, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(47, 208,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2702, 0.2296, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 208, 208) }
```

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

```
.background{ background-color: rgb(47, 208,  
208) }
```

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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