

Converting Colors

$Yxy(51.7002, 0.2366, 0.3288)$

Have a look what the booklet for
Yxy(51.7002, 0.2366, 0.3288)
contains.

Yxy(51.7002, 0.2366, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.7002, 0.2366, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	4BD1D1
RGB	75, 209, 209
RGB Percent	29%, 82%, 82%
CMY	0.7064, 0.1803, 0.1804
CMYK	0.64, 0.00, 0.00, 0.18
HSL	180°, 59%, 56%
HSV	180°, 64%, 82%
XYZ	37.2028, 51.7002, 68.3361
YIQ	168.9340, -79.8640, -28.4080

Conversions

Conversions Part 2

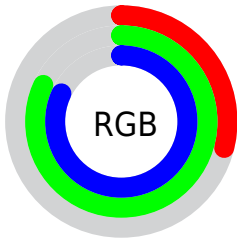
Format	Color
RYB	75, 142, 209
Decimal	4968913
CIELab	77.10, -35.55, -10.72
CIELCh	77, 37.130, 196.775
Yxy	51.7002, 0.2366, 0.3288
Android (android.graphics.Color)	4283158993 (0xFF4BD1D1)
YUV	168.9340, 19.7525, -82.3801
Hunter-Lab	71.9029, -33.4735, -6.0169

Details

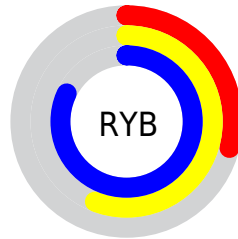
The Yxy color **51.7002, 0.2366, 0.3288** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.0799, 0.5195, 0.3296**, and the grayscale version is **39.5570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **25.4778, 0.2241, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **50.9947, 0.2310, 0.3288**, and if you desaturate by 10%, it is **52.6862, 0.2441, 0.3288**.

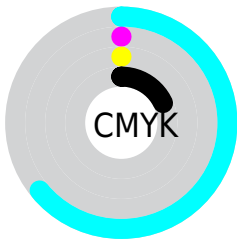
Distribution



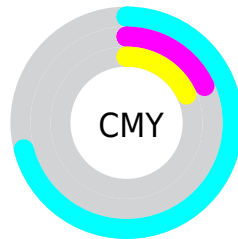
- Red (29%)
- Green (82%)
- Blue (82%)



- Red (29%)
- Yellow (56%)
- Blue (82%)



- Cyan (64%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (71%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7002, 0.2366, 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 51.7002, 0.2366, 0.3288 by changing the saturation by 10% instead.


 51.7002, 0.2366,
0.3288

 51.7002, 0.2366,
0.3288

393.2781, 0.2731,
0.3299

 36.7662, 0.2280,
0.3282


 92.6890, 0.2495,
0.3294

 25.0265, 0.2173,
0.3274


 119.5125, 0.2544,
0.3296

 16.0968, 0.2035,
0.3260


 151.0679, 0.2586,
0.3297

 9.5927, 0.1853,
0.3236

 187.7397, 0.2623,
0.3298

 5.1297, 0.1604,
0.3191

229.9122, 0.2655,
0.3298

 2.3236, 0.1247,
0.3099

277.9699, 0.2683,

 0.7861, 0.0000,

0.3299

0.3091

332.2970, 0.2708,
0.3299

0.0000, 0.0000,
0.0000

51.7002, 0.2366,
0.3288

51.7002, 0.2366,
0.3288

50.9947, 0.2310,
0.3288

52.6862, 0.2441,
0.3288

50.5354, 0.2273,
0.3288

53.9714, 0.2535,
0.3288


50.2901, 0.2253,
0.3288


55.5795, 0.2646,
0.3289

50.2106, 0.2247,
0.3288

57.5302, 0.2773,
0.3289

59.8418, 0.2913,
0.3289

 62.5312, 0.3063,
0.3290

 65.6142, 0.3219,
0.3290

 69.1058, 0.3379,
0.3291

 71.4724, 0.3479,
0.3291

Harmonies

Analogous

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



51.7002, 0.2711, 0.3786



51.7002, 0.2366, 0.3288



51.7002, 0.2220, 0.2842

Triad

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



51.7002, 0.2366, 0.3288



51.7002, 0.3004, 0.2598



51.7002, 0.4019, 0.3970

Complementary

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



51.7002, 0.2366, 0.3288



19.0799, 0.5195, 0.3296

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.



51.7002, 0.4128, 0.3612



51.7002, 0.2366, 0.3288



51.7002, 0.3515, 0.2855

Square

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



51.7002, 0.2366, 0.3288



51.7002, 0.2563, 0.2492



51.7002, 0.3941, 0.3214



51.7002, 0.3667, 0.4184

Rectangle

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



51.7002, 0.2366, 0.3288



51.7002, 0.2242, 0.2638



51.7002, 0.3941, 0.3214



51.7002, 0.4086, 0.3861

Sweetspot

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



51.7022, 0.2366, 0.3288



91.9402, 0.2841, 0.3289



47.6969, 0.3041, 0.5344



19.4599, 0.2801, 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.



51.7022, 0.2366, 0.3288



79.6574, 0.2294, 0.3288



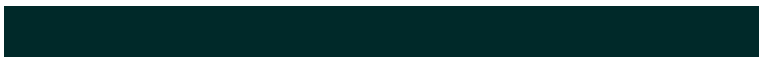
26.0971, 0.2130, 0.2278



13.4071, 0.2983, 0.3290



30.9536, 0.2247, 0.3288



1.7307, 0.2247, 0.3288

Inverse Universe

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



19.0799, 0.5195, 0.3296



24.6645, 0.5825, 0.3298



32.7358, 0.4576, 0.4059



11.8083, 0.3291, 0.3290



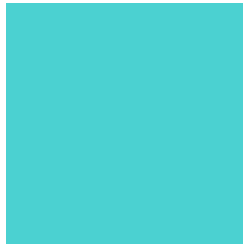
8.3578, 0.6401, 0.3300



0.4673, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 51.7002, 0.2366, 0.3288 looks on a white background.

Color Contrast Check

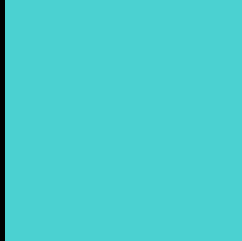
Large Text (above 18pt) WCAG AA × Fail

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 51.7002, 0.2366, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

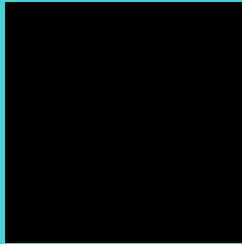
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

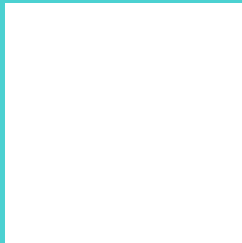
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7002, 0.2366, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 51.7002, 0.2366, 0.3288.

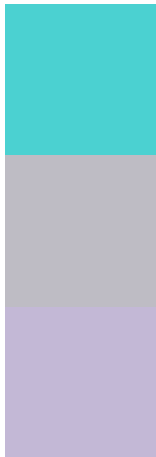


This preview shows how white text looks on a background with the Yxy color 51.7002, 0.2366, 0.3288.

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

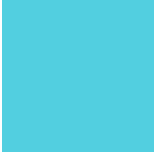
51.7002, 0.2366, 0.3288

Protanopia

50.8991, 0.3083, 0.3190

Deuteranopia

50.7381, 0.2990, 0.2929



Tritanopia

51.8013, 0.2315, 0.3056

Trichromacy



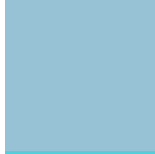
Original Color

51.7002, 0.2366, 0.3288



Protanomaly

49.9928, 0.2739, 0.3222



Deuteranomaly

49.4727, 0.2687, 0.3040



Tritanomaly

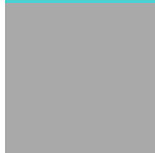
51.8885, 0.2331, 0.3136

Monochromacy



Original Color

51.7002, 0.2366, 0.3288



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.8926, 0.2744, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7002, 0.2366, 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(75, 209, 209)` looks like.

```
.text, #text, p{  
    color:rgb(75, 209, 209)  
}
```

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(75, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 209, 209) }
```

Border

The CSS property to change the border of an element to Yxy 51.7002, 0.2366, 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(75, 209, 209) }
```

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

```
.border{ border-color:rgb(75, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 209, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 209, 209);  
box-shadow:4px 4px 4px 4px rgb(75, 209,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7002, 0.2366, 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(75, 209, 209) }
```

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

```
.background{ background-color: rgb(75, 209,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor