

Converting Colors

$Y_{xy}(50.1870, 0.2518, 0.3656)$

Have a look what the booklet for
Yxy(50.1870, 0.2518, 0.3656)
contains.

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Color

Yxy(50.3696, 0.2517, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	53D0B7
RGB	83, 208, 183
RGB Percent	33%, 82%, 72%
CMY	0.6747, 0.1843, 0.2823
CMYK	0.60, 0.00, 0.12, 0.18
HSL	168°, 57%, 57%
HSV	168°, 60%, 82%
XYZ	34.6678, 50.3696, 52.6973
YIQ	167.7750, -66.4750, -34.2750

Conversions

Conversions Part 2

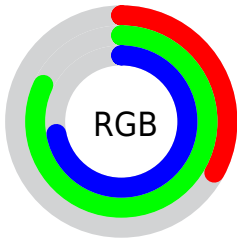
Format	Color
RYB	83, 152, 208
Decimal	5492919
CIELab	76.30, -40.58, 2.10
CIELCh	76, 40.635, 177.032
Yxy	50.3696, 0.2517, 0.3657
Android (android.graphics.Color)	4283682999 (0xFF53D0B7)
YUV	167.7750, 7.5059, -74.3477
Hunter-Lab	70.9715, -37.0074, 5.6565

Details

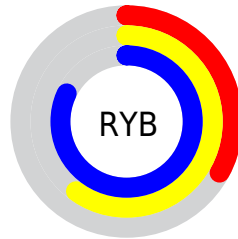
The Yxy color **50.3696, 0.2517, 0.3657** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **20.6733, 0.4612, 0.2997**, and the grayscale version is **39.0247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6813, 0.2607, 0.3472**, and **24.3942, 0.2379, 0.3763** is the 20% darker color. If you saturate the color by 10%, you get **49.3930, 0.2467, 0.3729**, and if you desaturate by 10%, it is **51.6389, 0.2586, 0.3587**.

Distribution



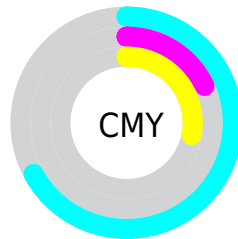
- Red (33%)
- Green (82%)
- Blue (72%)



- Red (33%)
- Yellow (60%)
- Blue (82%)



- Cyan (60%)
- Magenta (0%)
- Yellow (12%)
- Black (18%)





- Cyan (67%)
- Magenta (18%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3696, 0.2517, 0.3657 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 50.3696, 0.2517, 0.3657 by changing the saturation by 10% instead.


 50.3696, 0.2517,
0.3657


 50.3696, 0.2517,
0.3657


388.1095, 0.2817,
0.3475

 35.7072, 0.2444,
0.3702


 90.7223, 0.2625,
0.3591


 24.2081, 0.2351,
0.3759


 117.1813, 0.2666,
0.3566

 15.4881, 0.2230,
0.3835


 148.3412, 0.2700,
0.3545

 9.1626, 0.2064,
0.3940

 184.5866, 0.2730,
0.3527

 4.8474, 0.1827,
0.4092

226.3017, 0.2756,
0.3512

 2.1580, 0.1455,
0.4337

273.8710, 0.2779,

 0.6970, 0.0000,

0.3498

0.5325

327.6788, 0.2799,
0.3486

0.0000, 0.0000,
0.0000

50.3696, 0.2517,
0.3657

50.3696, 0.2517,
0.3657

49.3930, 0.2467,
0.3729

51.6389, 0.2586,
0.3587

48.6770, 0.2437,
0.3802

53.2181, 0.2671,
0.3519

48.1922, 0.2425,
0.3875

55.1299, 0.2770,
0.3455

47.8838, 0.2430,
0.3947

57.3932, 0.2881,
0.3395

60.0255, 0.3001,
0.3341

■ 63.0431, 0.3126,
0.3291

■ 66.4612, 0.3254,
0.3246

■ 70.2945, 0.3383,
0.3206

■ 71.5656, 0.3395,
0.3165

Harmonies

Analogous

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



50.3696, 0.3000, 0.4130



50.3696, 0.2517, 0.3657



50.3696, 0.2212, 0.3098

Triad

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



50.3696, 0.2517, 0.3657



50.3696, 0.2655, 0.2437



50.3696, 0.4225, 0.3779

Complementary

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



50.3696, 0.2517, 0.3657



20.6733, 0.4612, 0.2997

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.



50.3696, 0.4133, 0.3349



50.3696, 0.2517, 0.3657



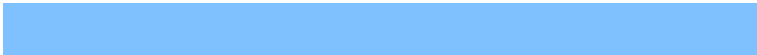
50.3696, 0.3180, 0.2614

Square

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



50.3696, 0.2517, 0.3657



50.3696, 0.2288, 0.2446



50.3696, 0.3736, 0.2937



50.3696, 0.3997, 0.4139

Rectangle

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



50.3696, 0.2517, 0.3657



50.3696, 0.2135, 0.2789



50.3696, 0.3736, 0.2937



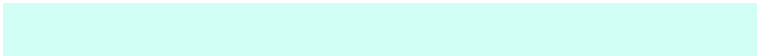
50.3696, 0.4232, 0.3638

Sweetspot

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



50.3716, 0.2517, 0.3657



91.7329, 0.2903, 0.3385



48.9254, 0.3181, 0.5137



19.3888, 0.2869, 0.3401



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.



50.3716, 0.2517, 0.3657



77.9520, 0.2457, 0.3749



35.3263, 0.2268, 0.2724



13.3649, 0.3009, 0.3337



29.8556, 0.2427, 0.3936



1.6799, 0.2390, 0.3803

Inverse Universe

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



20.6733, 0.4612, 0.2997



26.9025, 0.5131, 0.2986



27.5822, 0.4666, 0.3747



11.8463, 0.3260, 0.3244



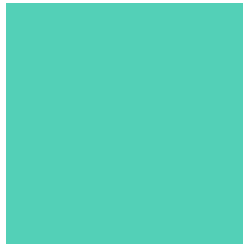
8.4713, 0.6060, 0.3112



0.4852, 0.5549, 0.2831

Previews

White Background



This preview shows how the Yxy color 50.3696, 0.2517, 0.3657 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 50.3696, 0.2517, 0.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

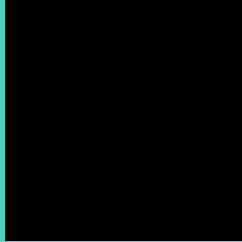
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

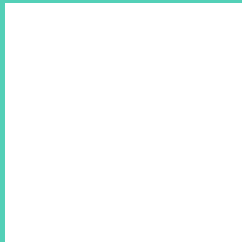
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3696, 0.2517, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 50.3696, 0.2517, 0.3657.



This preview shows how white text looks on a background with the Yxy color 50.3696, 0.2517, 0.3657.

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

50.3696, 0.2517, 0.3657

Protanopia

49.5274, 0.3314, 0.3481

Deuteranopia

49.5592, 0.3261, 0.3193



Tritanopia

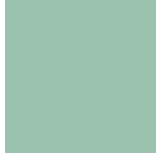
50.3677, 0.2381, 0.3069

Trichromacy



Original Color

50.3696, 0.2517, 0.3657



Protanomaly

48.5487, 0.2952, 0.3551



Deuteranomaly

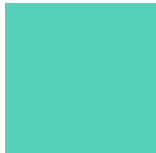
48.3230, 0.2912, 0.3343



Tritanomaly

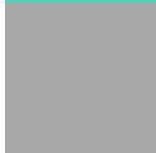
50.3942, 0.2429, 0.3274

Monochromacy



Original Color

50.3696, 0.2517, 0.3657



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.2025, 0.2832, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3696, 0.2517, 0.3657 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(83, 208, 183)` looks like.

```
.text, #text, p{  
    color:rgb(83, 208, 183)  
}
```

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(83, 208, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 208, 183) }
```

Border

The CSS property to change the border of an element to Yxy 50.3696, 0.2517, 0.3657 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(83, 208, 183) }
```

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

```
.border{ border-color:rgb(83, 208, 183) }
```

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

Here you see how a box with a 4 pixel rgb(83, 208, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 208, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 208, 183);  
box-shadow:4px 4px 4px 4px rgb(83, 208,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3696, 0.2517, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 208, 183) }
```

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

```
.background{ background-color: rgb(83, 208,  
183) }
```

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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