

Converting Colors

$Yxy(50.1553, 0.2453, 0.3462)$

Have a look what the booklet for
Yxy(50.1553, 0.2453, 0.3462)
contains.

Yxy(50.4048, 0.2454, 0.3462)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.4048, 0.2454, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	53CFC3
RGB	83, 207, 195
RGB Percent	33%, 81%, 76%
CMY	0.6744, 0.1882, 0.2354
CMYK	0.60, 0.00, 0.06, 0.19
HSL	174°, 56%, 57%
HSV	174°, 60%, 81%
XYZ	35.7289, 50.4048, 59.4608
YIQ	168.5560, -70.0520, -30.0200

Conversions

Conversions Part 2

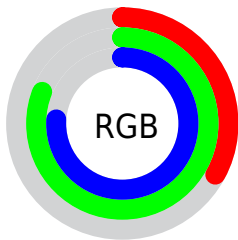
Format	Color
R _Y B	83, 148, 207
Decimal	5492675
CIE Lab	76.32, -37.07, -4.31
CIE LCh	76, 37.315, 186.630
Yxy	50.4048, 0.2454, 0.3462
Android (android.graphics.Color)	4283682755 (0xFF53CFC3)
YUV	168.5560, 13.0369, -75.0326
Hunter-Lab	70.9963, -34.4135, 0.0409

Details

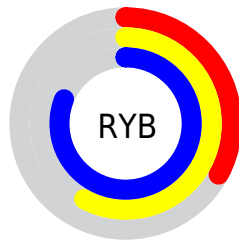
The Yxy color **50.4048, 0.2454, 0.3462** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.2822, 0.4805, 0.3154**, and the grayscale version is **39.4082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4143, 0.2554, 0.3333**, and **24.3796, 0.2308, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **49.5111, 0.2396, 0.3495**, and if you desaturate by 10%, it is **51.5846, 0.2531, 0.3429**.

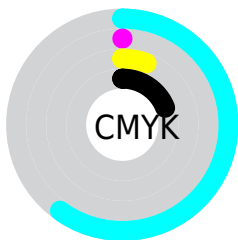
Distribution



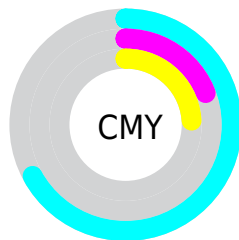
- Red (33%)
- Green (81%)
- Blue (76%)



- Red (33%)
- Yellow (58%)
- Blue (81%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (19%)





- Cyan (67%)
- Magenta (19%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4048, 0.2454, 0.3462 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 50.4048, 0.2454, 0.3462 by changing the saturation by 10% instead.

 50.4048, 0.2454,
0.3462

 50.4048, 0.2454,
0.3462


388.2469, 0.2781,
0.3382

 35.7351, 0.2375,
0.3480


 90.7744, 0.2571,
0.3435


 24.2297, 0.2277,
0.3502


 117.2431, 0.2615,
0.3424

 15.5041, 0.2148,
0.3529


 148.4135, 0.2653,
0.3415

 9.1739, 0.1976,
0.3562

 184.6702, 0.2686,
0.3406

 4.8548, 0.1733,
0.3605

226.3975, 0.2714,
0.3399

 2.1623, 0.1372,
0.3654

273.9798, 0.2739,

 0.6993, 0.0000,

0.3393

327.8014, 0.2761,
0.3387

0.3961

0.0000, 0.0000,
0.0000

50.4048, 0.2454,
0.3462

50.4048, 0.2454,
0.3462

49.5111, 0.2396,
0.3495

51.5846, 0.2531,
0.3429

48.8719, 0.2358,
0.3529

53.0674, 0.2625,
0.3398

48.4585, 0.2337,
0.3562

54.8755, 0.2735,
0.3368

48.2147, 0.2332,
0.3595

57.0276, 0.2857,
0.3340

48.2125, 0.2332,
0.3595

59.5408, 0.2989,
0.3314

■ 62.4312, 0.3129,
0.3290

■ 65.7139, 0.3272,
0.3268

■ 69.4032, 0.3418,
0.3249

■ 70.6946, 0.3452,
0.3229

Harmonies

Analogous

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



50.4048, 0.2859, 0.3940



50.4048, 0.2454, 0.3462



50.4048, 0.2234, 0.2972

Triad

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



50.4048, 0.2454, 0.3462



50.4048, 0.2837, 0.2535



50.4048, 0.4100, 0.3866

Complementary

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



50.4048, 0.2454, 0.3462



20.2822, 0.4805, 0.3154

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.



50.4048, 0.4111, 0.3479



50.4048, 0.2454, 0.3462



50.4048, 0.3346, 0.2748

Square

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



50.4048, 0.2454, 0.3462



50.4048, 0.2441, 0.2486



50.4048, 0.3827, 0.3082



50.4048, 0.3815, 0.4147

Rectangle

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



50.4048, 0.2454, 0.3462



50.4048, 0.2208, 0.2723



50.4048, 0.3827, 0.3082



50.4048, 0.4137, 0.3743

Sweetspot

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



50.4067, 0.2454, 0.3462



92.0264, 0.2879, 0.3335



47.7079, 0.3105, 0.5173



19.4613, 0.2841, 0.3343



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.



50.4067, 0.2454, 0.3462



79.0002, 0.2383, 0.3505



30.5977, 0.2227, 0.2527



13.3865, 0.2996, 0.3312



30.3823, 0.2331, 0.3590



1.7047, 0.2314, 0.3530

Inverse Universe

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



20.2822, 0.4805, 0.3154



26.5424, 0.5390, 0.3156



30.5598, 0.4545, 0.3898



11.8266, 0.3276, 0.3268



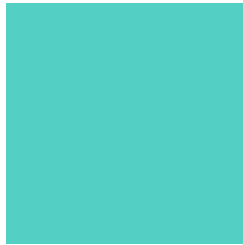
8.3962, 0.6280, 0.3233



0.4760, 0.5947, 0.3050

Previews

White Background



This preview shows how the Yxy color 50.4048, 0.2454, 0.3462 looks on a white background.

Color Contrast Check

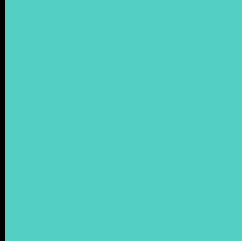
Large Text (above 18pt) WCAG AA × Fail

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 50.4048, 0.2454, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

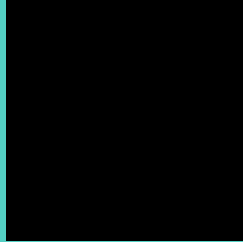
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

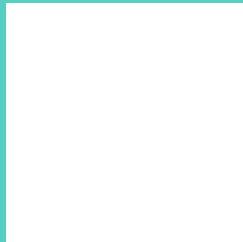
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4048, 0.2454, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 50.4048, 0.2454, 0.3462.

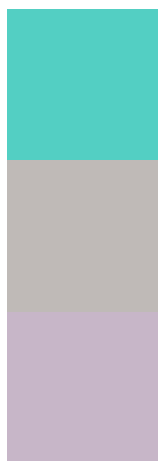


This preview shows how white text looks on a background with the Yxy color 50.4048, 0.2454, 0.3462.

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

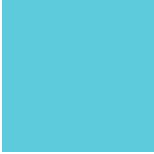
50.4048, 0.2454, 0.3462

Protanopia

49.6131, 0.3193, 0.3328

Deuteranopia

49.7681, 0.3129, 0.3071



Tritanopia

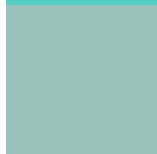
50.2063, 0.2360, 0.3055

Trichromacy



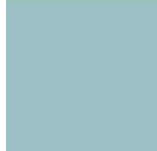
Original Color

50.4048, 0.2454, 0.3462



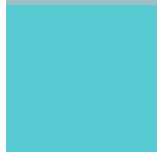
Protanomaly

48.8468, 0.2855, 0.3384



Deuteranomaly

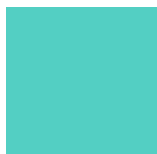
48.5069, 0.2815, 0.3196



Tritanomaly

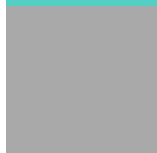
50.0127, 0.2390, 0.3190

Monochromacy



Original Color

50.4048, 0.2454, 0.3462



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.4846, 0.2805, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4048, 0.2454, 0.3462 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, 207, 195)` looks like.

```
.text, #text, p{  
  color:rgb(83, 207, 195)  
}
```

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, 207, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 207, 195) }
```

Border

The CSS property to change the border of an element to Yxy 50.4048, 0.2454, 0.3462 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, 207, 195) }
```

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

```
.border{ border-color:rgb(83, 207, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 207, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 207, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 207, 195);  
box-shadow:4px 4px 4px 4px rgb(83, 207,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4048, 0.2454, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 207, 195) }
```

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

```
.background{ background-color: rgb(83, 207,  
195) }
```

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