

Converting Colors

$Yxy(50.2016, 0.2395, 0.3495)$

Have a look what the booklet for
Yxy(50.2016, 0.2395, 0.3495)
contains.

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Color

Yxy(50.0309, 0.2394, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	3ED0C2
RGB	62, 208, 194
RGB Percent	24%, 82%, 76%
CMY	0.7567, 0.1843, 0.2393
CMYK	0.70, 0.00, 0.07, 0.18
HSL	174°, 61%, 53%
HSV	174°, 70%, 82%
XYZ	34.2799, 50.0309, 58.8801
YIQ	162.7500, -82.5220, -35.3060

Conversions

Conversions Part 2

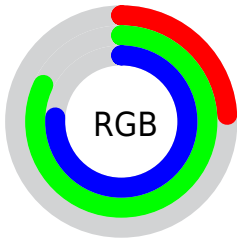
Format	Color
R _Y B	62, 139, 208
Decimal	4116674
CIE Lab	76.09, -41.02, -4.17
CIE LCh	76, 41.236, 185.803
Yxy	50.0309, 0.2394, 0.3494
Android (android.graphics.Color)	4282306754 (0xFF3ED0C2)
YUV	162.7500, 15.4062, -88.3577
Hunter-Lab	70.7325, -37.2734, 0.1578

Details

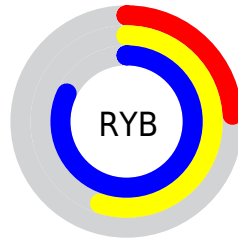
The Yxy color **50.0309, 0.2394, 0.3494** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **17.3818, 0.5271, 0.3155**, and the grayscale version is **36.4618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0893, 0.2499, 0.3345**, and **24.7056, 0.2314, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **49.3947, 0.2356, 0.3527**, and if you desaturate by 10%, it is **50.9294, 0.2451, 0.3461**.

Distribution



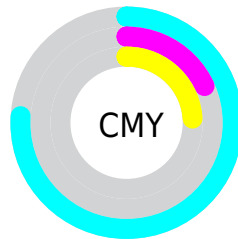
- Red (24%)
- Green (82%)
- Blue (76%)



- Red (24%)
- Yellow (55%)
- Blue (82%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (18%)




- Cyan (76%)
- Magenta (18%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0309, 0.2394, 0.3494 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 50.0309, 0.2394, 0.3494 by changing the saturation by 10% instead.

 50.0309, 0.2394,
0.3494

 50.0309, 0.2394,
0.3494


386.7868, 0.2750,
0.3399

 35.4380, 0.2309,
0.3515


 90.2207, 0.2521,
0.3461


 24.0004, 0.2201,
0.3542


 116.5863, 0.2569,
0.3448


 15.3339, 0.2062,
0.3574


 147.6449, 0.2611,
0.3437

 9.0541, 0.1876,
0.3615

 183.7809, 0.2646,
0.3428

 4.7765, 0.1615,
0.3666

 225.3787, 0.2677,
0.3419

 2.1167, 0.1218,
0.3730

272.8226, 0.2704,

 0.6740, 0.0000,

0.3412

0.3963

326.4972, 0.2729,
0.3405

■ 0.0000, 0.0000,
0.0000

■ 50.0309, 0.2394,
0.3494

■ 50.0309, 0.2394,
0.3494

■ 49.3947, 0.2356,
0.3527

■ 50.9294, 0.2451,
0.3461

■ 48.9838, 0.2336,
0.3560

■ 52.1107, 0.2528,
0.3429

■ 48.7453, 0.2331,
0.3592

■ 53.5998, 0.2622,
0.3398

■ 55.4174, 0.2731,
0.3368

■ 57.5823, 0.2853,
0.3340

60.1120, 0.2985,
0.3314

63.0228, 0.3125,
0.3290

66.3300, 0.3268,
0.3269

70.0479, 0.3414,
0.3250

Harmonies

Analogous

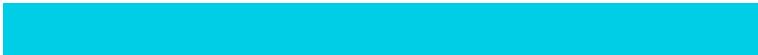
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.0309, 0.2841, 0.4029



50.0309, 0.2394, 0.3494



50.0309, 0.2150, 0.2946

Triad

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



50.0309, 0.2394, 0.3494



50.0309, 0.2790, 0.2459



50.0309, 0.4206, 0.3905

Complementary

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



50.0309, 0.2394, 0.3494



17.3818, 0.5271, 0.3155

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.



50.0309, 0.4213, 0.3477



50.0309, 0.2394, 0.3494



50.0309, 0.3351, 0.2687

Square

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



50.0309, 0.2394, 0.3494



50.0309, 0.2363, 0.2409



50.0309, 0.3890, 0.3047



50.0309, 0.3894, 0.4228

Rectangle

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



50.0309, 0.2394, 0.3494



50.0309, 0.2119, 0.2670



50.0309, 0.3890, 0.3047



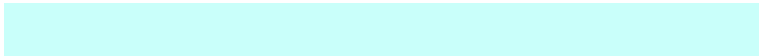
50.0309, 0.4246, 0.3768

Sweetspot

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



50.0328, 0.2394, 0.3494



90.8932, 0.2839, 0.3343



47.0238, 0.3086, 0.5485



19.2411, 0.2804, 0.3351



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.



50.0328, 0.2394, 0.3494



77.9527, 0.2344, 0.3543



27.2695, 0.2103, 0.2368



13.3867, 0.2996, 0.3312



30.3877, 0.2330, 0.3587



1.7049, 0.2313, 0.3527

Inverse Universe

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



17.3818, 0.5271, 0.3155



23.1730, 0.5895, 0.3186



27.2930, 0.4877, 0.3955



11.8264, 0.3276, 0.3268



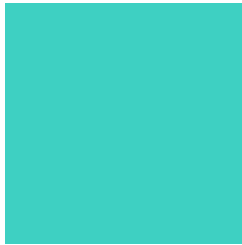
8.3957, 0.6282, 0.3234



0.4759, 0.5951, 0.3052

Previews

White Background



This preview shows how the Yxy color 50.0309, 0.2394, 0.3494 looks on a white background.

Color Contrast Check

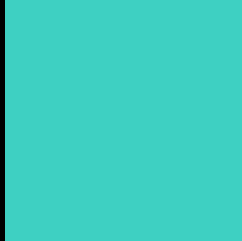
Large Text (above 18pt) WCAG AA × Fail

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 50.0309, 0.2394, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

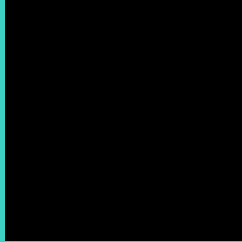
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

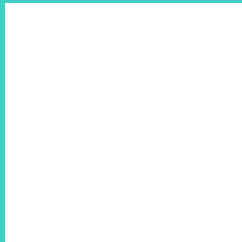
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0309, 0.2394, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 50.0309, 0.2394, 0.3494.

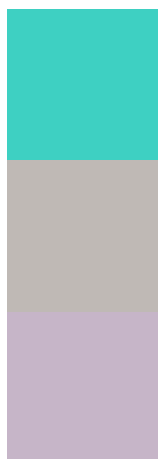


This preview shows how white text looks on a background with the Yxy color 50.0309, 0.2394, 0.3494.

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

50.0309, 0.2394, 0.3494

Protanopia

49.1105, 0.3209, 0.3341

Deuteranopia

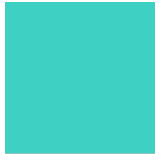
49.2236, 0.3121, 0.3058



Tritanopia

49.9840, 0.2302, 0.3052

Trichromacy



Original Color

50.0309, 0.2394, 0.3494



Protanomaly

47.6144, 0.2804, 0.3386



Deuteranomaly

47.7284, 0.2759, 0.3194



Tritanomaly

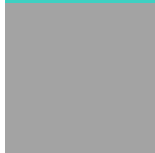
49.7435, 0.2335, 0.3203

Monochromacy



Original Color

50.0309, 0.2394, 0.3494



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.7318, 0.2740, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0309, 0.2394, 0.3494 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(62, 208, 194)` looks like.

```
.text, #text, p{  
    color:rgb(62, 208, 194)  
}
```

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(62, 208, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 208, 194) }
```

Border

The CSS property to change the border of an element to Yxy 50.0309, 0.2394, 0.3494 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(62, 208, 194) }
```

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

```
.border{ border-color:rgb(62, 208, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 208, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 208, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 208, 194);  
box-shadow:4px 4px 4px 4px rgb(62, 208,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0309, 0.2394, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 208, 194) }
```

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

```
.background{ background-color: rgb(62, 208,  
194) }
```

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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