

Converting Colors

$Yxy(58.8795, 0.2333, 0.3417)$

Have a look what the booklet for
Yxy(58.8795, 0.2333, 0.3417)
contains.

Yxy(58.9214, 0.2332, 0.3411)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.9214, 0.2332, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	33E0D7
RGB	51, 224, 215
RGB Percent	20%, 88%, 84%
CMY	0.8003, 0.1215, 0.1569
CMYK	0.77, 0.00, 0.04, 0.12
HSL	177°, 74%, 54%
HSV	177°, 77%, 88%
XYZ	40.2828, 58.9214, 73.5352
YIQ	171.2470, -100.2190, -39.4750

Conversions

Conversions Part 2

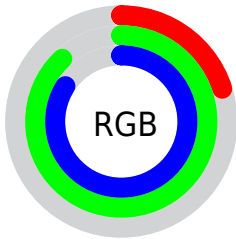
Format	Color
RYB	51, 140, 224
Decimal	3399895
CIELab	81.25, -43.60, -7.80
CIELCh	81, 44.291, 190.146
Yxy	58.9214, 0.2332, 0.3411
Android (android.graphics.Color)	4281589975 (0xFF33E0D7)
YUV	171.2470, 21.5702, -105.4566
Hunter-Lab	76.7603, -40.6559, -3.0667

Details

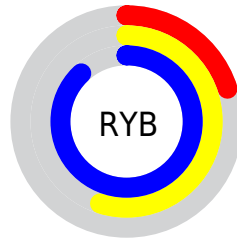
The Yxy color **58.9214, 0.2332, 0.3411** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.5357, 0.5704, 0.3230**, and the grayscale version is **40.7732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **30.5433, 0.2287, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **58.4163, 0.2305, 0.3428**, and if you desaturate by 10%, it is **59.7112, 0.2378, 0.3394**.

Distribution



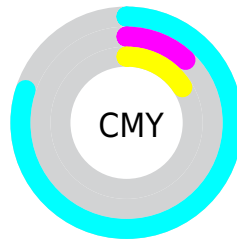
- Red (20%)
- Green (88%)
- Blue (84%)



- Red (20%)
- Yellow (55%)
- Blue (88%)



- Cyan (77%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)





- Cyan (80%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9214, 0.2332, 0.3411 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 58.9214, 0.2332, 0.3411 by changing the saturation by 10% instead.


 58.9214, 0.2332,
0.3411

 58.9214, 0.2332,
0.3411


420.6106, 0.2705,
0.3362


 42.5499, 0.2246,
0.3420


 103.2634, 0.2462,
0.3396

 29.5321, 0.2140,
0.3430

 132.0027, 0.2513,
0.3389

 19.4837, 0.2005,
0.3440


 165.6333, 0.2556,
0.3383

 12.0203, 0.1830,
0.3450

 204.5397, 0.2594,
0.3378

 6.7575, 0.1594,
0.3455

249.1062, 0.2627,
0.3374

 3.3109, 0.1265,
0.3444

299.7172, 0.2656,

 1.2961, 0.0326,

0.3369

0.3548

356.7572, 0.2682,
0.3366

■ 0.1382, 0.0000,
0.1657

■ 0.0000, 0.0000,
0.0000

■ 58.9214, 0.2332,
0.3411

■ 58.9214, 0.2332,
0.3411

■ 58.4163, 0.2305,
0.3428

■ 59.7112, 0.2378,
0.3394

■ 58.1421, 0.2293,
0.3445

■ 60.8147, 0.2444,
0.3376

■ 58.0864, 0.2292,
0.3450

■ 62.2643, 0.2529,
0.3359

■ 64.0868, 0.2631,
0.3343

66.3064, 0.2749,
0.3327

68.9452, 0.2879,
0.3313

72.0236, 0.3020,
0.3299

75.5608, 0.3168,
0.3287

79.5747, 0.3320,
0.3276

Harmonies

Analogous

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



58.9214, 0.2760, 0.3975



58.9214, 0.2332, 0.3411



58.9214, 0.2119, 0.2871

Triad

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



58.9214, 0.2332, 0.3411



58.9214, 0.2861, 0.2470



58.9214, 0.4195, 0.3970

Complementary

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



58.9214, 0.2332, 0.3411



18.5357, 0.5704, 0.3230

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.



58.9214, 0.4252, 0.3544



58.9214, 0.2332, 0.3411



58.9214, 0.3439, 0.2723

Square

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



58.9214, 0.2332, 0.3411



58.9214, 0.2402, 0.2391



58.9214, 0.3969, 0.3103



58.9214, 0.3840, 0.4274

Rectangle

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



58.9214, 0.2332, 0.3411



58.9214, 0.2110, 0.2611



58.9214, 0.3969, 0.3103



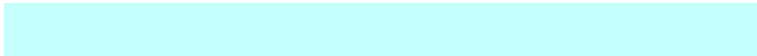
58.9214, 0.4251, 0.3835

Sweetspot

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



58.9236, 0.2332, 0.3411



90.3276, 0.2801, 0.3321



54.5934, 0.3050, 0.5688



19.0703, 0.2754, 0.3327



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.



58.9236, 0.2332, 0.3411



78.0971, 0.2296, 0.3439



27.5815, 0.2003, 0.2161



15.5594, 0.2989, 0.3302



33.8132, 0.2291, 0.3447



2.3476, 0.2284, 0.3421

Inverse Universe

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



18.5357, 0.5704, 0.3230



21.7825, 0.6248, 0.3265



30.9909, 0.5048, 0.4033



13.7120, 0.3284, 0.3278



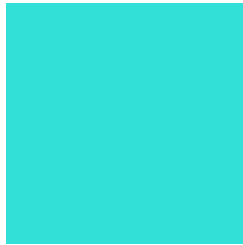
9.2444, 0.6343, 0.3268



0.6449, 0.6178, 0.3177

Previews

White Background



This preview shows how the Yxy color 58.9214, 0.2332, 0.3411 looks on a white background.

Color Contrast Check

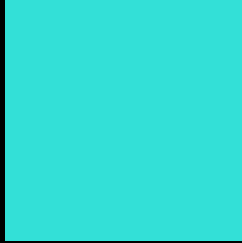
Large Text (above 18pt) WCAG AA × Fail

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 58.9214, 0.2332, 0.3411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

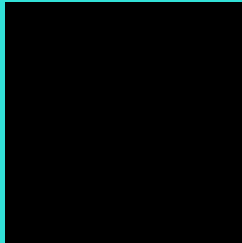
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

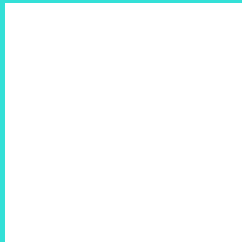
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.9214, 0.2332, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 58.9214, 0.2332, 0.3411.

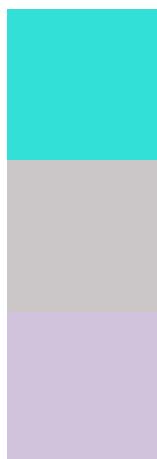


This preview shows how white text looks on a background with the Yxy color 58.9214, 0.2332, 0.3411.

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

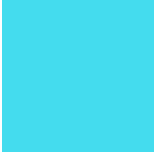
58.9214, 0.2332, 0.3411

Protanopia

57.7135, 0.3151, 0.3278

Deuteranopia

57.9523, 0.3055, 0.2994



Tritanopia

58.5884, 0.2262, 0.3053

Trichromacy



Original Color

58.9214, 0.2332, 0.3411



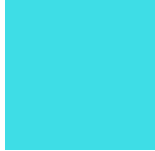
Protanomaly

55.8154, 0.2730, 0.3328



Deuteranomaly

55.9325, 0.2670, 0.3124



Tritanomaly

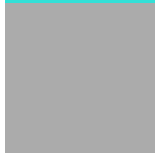
58.4502, 0.2283, 0.3168

Monochromacy



Original Color

58.9214, 0.2332, 0.3411



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.9268, 0.2680, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9214, 0.2332, 0.3411 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(51, 224, 215)` looks like.

```
.text, #text, p{  
    color:rgb(51, 224, 215)  
}
```

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(51, 224, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 224, 215) }
```

Border

The CSS property to change the border of an element to Yxy 58.9214, 0.2332, 0.3411 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(51, 224, 215) }
```

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

```
.border{ border-color:rgb(51, 224, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 224, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 224, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 224, 215);  
box-shadow:4px 4px 4px 4px rgb(51, 224,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9214, 0.2332, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 224, 215) }
```

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

```
.background{ background-color: rgb(51, 224,  
215) }
```

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