

Converting Colors

$Y_{xy}(57.9961, 0.2291, 0.3618)$

Have a look what the booklet for
Yxy(57.9961, 0.2291, 0.3618)
contains.

Yxy(58.7045, 0.2337, 0.3612)	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(58.7045, 0.2337, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	01E2CB
RGB	1, 226, 203
RGB Percent	0%, 89%, 80%
CMY	0.9977, 0.1137, 0.2039
CMYK	1.00, 0.00, 0.10, 0.11
HSL	174°, 99%, 44%
HSV	174°, 100%, 89%
XYZ	37.9824, 58.7045, 65.8394
YIQ	156.1030, -126.7170, -54.8530

Conversions

Conversions Part 2

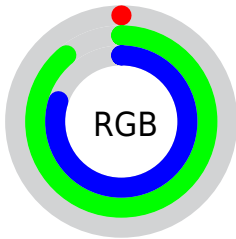
Format	Color
R _Y B	1, 120, 226
Decimal	123595
CIE Lab	81.13, -50.37, -1.66
CIE LCh	81, 50.401, 181.888
Yxy	58.7045, 0.2337, 0.3612
Android (android.graphics.Color)	4278313675 (0xFF01E2CB)
YUV	156.1030, 23.1202, -136.0253
Hunter-Lab	76.6189, -45.5949, 2.6847

Details

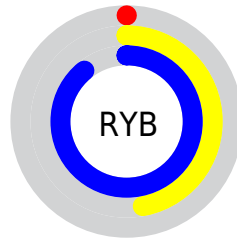
The Yxy color **58.7045, 0.2337, 0.3612** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.2448, 0.6295, 0.3243**, and the grayscale version is **33.1720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **30.9194, 0.2355, 0.3677** is the 20% darker color. If you saturate the color by 10%, you get **58.7001, 0.2337, 0.3613**, and if you desaturate by 10%, it is **58.9980, 0.2341, 0.3577**.

Distribution



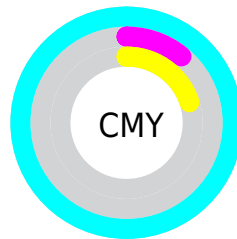
- Red (0%)
- Green (89%)
- Blue (80%)



- Red (0%)
- Yellow (47%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7045, 0.2337, 0.3612 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 58.7045, 0.2337, 0.3612 by changing the saturation by 10% instead.


 58.7045, 0.2337,
0.3612


 58.7045, 0.2337,
0.3612


419.8060, 0.2711,
0.3461

 42.3753, 0.2250,
0.3647


 102.9481, 0.2468,
0.3560


 29.3953, 0.2142,
0.3689


 131.6312, 0.2519,
0.3539


 19.3800, 0.2004,
0.3743


 165.2011, 0.2562,
0.3522

 11.9452, 0.1824,
0.3812

 204.0422, 0.2600,
0.3507

 6.7064, 0.1578,
0.3904

 248.5388, 0.2633,
0.3493

 3.2792, 0.1232,
0.4030

299.0754, 0.2662,

 1.2792, 0.0000,

0.3481

0.4527

356.0363, 0.2688,
0.3471

■ 0.1250, 0.0000,
0.3314

■ 0.0000, 0.0000,
0.0000

■ 58.7045, 0.2337,
0.3612

■ 58.7045, 0.2337,
0.3612

■ 58.7001, 0.2337,
0.3613

■ 58.9980, 0.2341,
0.3577

■ 59.5017, 0.2360,
0.3542

■ 60.2826, 0.2398,
0.3507

■ 61.3787, 0.2456,
0.3472

■ 62.8221, 0.2532,
0.3437

■ 64.6410, 0.2627,
0.3404

■ 66.8607, 0.2736,
0.3372

■ 69.5043, 0.2859,
0.3342

■ 72.5929, 0.2991,
0.3315

Harmonies

Analogous

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



58.7045, 0.2868, 0.4225



58.7045, 0.2337, 0.3612



58.7045, 0.2033, 0.2956

Triad

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



58.7045, 0.2337, 0.3612



58.7045, 0.2660, 0.2326



58.7045, 0.4393, 0.3917

Complementary

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



58.7045, 0.2337, 0.3612



16.2448, 0.6295, 0.3243

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.



58.7045, 0.4358, 0.3424



58.7045, 0.2337, 0.3612



58.7045, 0.3293, 0.2559

Square

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



58.7045, 0.2337, 0.3612



58.7045, 0.2207, 0.2294



58.7045, 0.3939, 0.2947



58.7045, 0.4063, 0.4326

Rectangle

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



58.7045, 0.2337, 0.3612



58.7045, 0.1977, 0.2622



58.7045, 0.3939, 0.2947



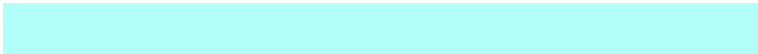
58.7045, 0.4426, 0.3756

Sweetspot

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



58.7067, 0.2337, 0.3612



87.7721, 0.2731, 0.3373



54.6230, 0.3026, 0.5978



18.5098, 0.2683, 0.3387



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.



58.7067, 0.2337, 0.3612



77.1775, 0.2338, 0.3615



24.1302, 0.1881, 0.1969



15.5470, 0.2995, 0.3314



33.5002, 0.2335, 0.3607



2.3291, 0.2320, 0.3553

Inverse Universe

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



16.2448, 0.6295, 0.3243



21.3346, 0.6308, 0.3249



22.9842, 0.5759, 0.3807



13.7231, 0.3276, 0.3266



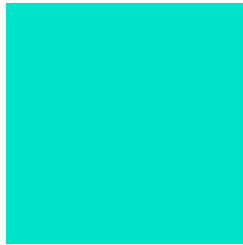
9.2677, 0.6277, 0.3232



0.6502, 0.5983, 0.3070

Previews

White Background



This preview shows how the Yxy color 58.7045, 0.2337, 0.3612 looks on a white background.

Color Contrast Check

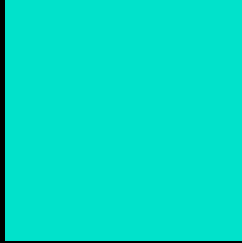
Large Text (above 18pt) WCAG AA × Fail

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 58.7045, 0.2337, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

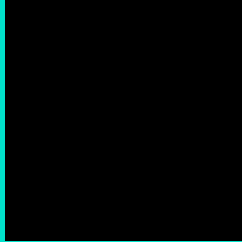
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

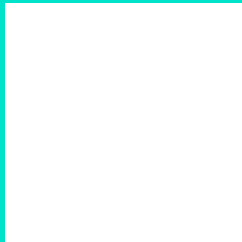
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.7045, 0.2337, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 58.7045, 0.2337, 0.3612.

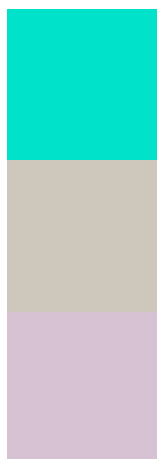


This preview shows how white text looks on a background with the Yxy color 58.7045, 0.2337, 0.3612.

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

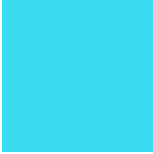
58.7110, 0.2337, 0.3612

Protanopia

57.5995, 0.3264, 0.3421

Deuteranopia

57.5329, 0.3168, 0.3107



Tritanopia

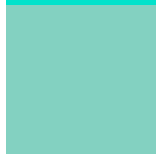
58.8444, 0.2240, 0.3053

Trichromacy



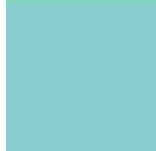
Original Color

58.7110, 0.2337, 0.3612



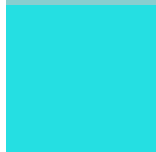
Protanomaly

54.2765, 0.2700, 0.3506



Deuteranomaly

53.8818, 0.2643, 0.3275



Tritanomaly

58.6597, 0.2263, 0.3247

Monochromacy



Original Color

58.7110, 0.2337, 0.3612



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

38.7175, 0.2576, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7045, 0.2337, 0.3612 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(1, 226, 203)` looks like.

```
.text, #text, p{  
    color:rgb(1, 226, 203)  
}
```

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(1, 226, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 226, 203) }
```

Border

The CSS property to change the border of an element to Yxy 58.7045, 0.2337, 0.3612 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(1, 226, 203) }
```

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

```
.border{ border-color:rgb(1, 226, 203) }
```

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

Here you see how a box with a 4 pixel rgb(1, 226, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 226, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 226, 203);  
box-shadow:4px 4px 4px 4px rgb(1, 226,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7045, 0.2337, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 226, 203) }
```

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

```
.background{ background-color: rgb(1, 226,  
203) }
```

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