

Converting Colors

$Yxy(59.4018, 0.2383, 0.3682)$

Have a look what the booklet for
Yxy(59.4018, 0.2383, 0.3682)
contains.

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Color

Yxy(59.4018, 0.2383, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	22E3C7
RGB	34, 227, 199
RGB Percent	13%, 89%, 78%
CMY	0.8657, 0.1098, 0.2195
CMYK	0.85, 0.00, 0.12, 0.11
HSL	171°, 77%, 51%
HSV	171°, 85%, 89%
XYZ	38.4450, 59.4018, 63.4835
YIQ	166.1010, -106.0400, -49.6240

Conversions

Conversions Part 2

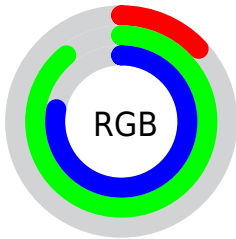
Format	Color
RYB	34, 138, 227
Decimal	2286535
CIELab	81.51, -50.54, 1.04
CIELCh	82, 50.546, 178.819
Yxy	59.4018, 0.2383, 0.3682
Android (android.graphics.Color)	4280476615 (0xFF22E3C7)
YUV	166.1010, 16.2192, -115.8526
Hunter-Lab	77.0726, -45.8384, 5.1146

Details

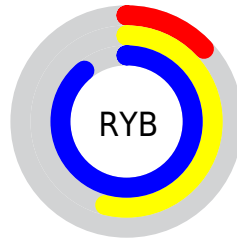
The Yxy color **59.4018, 0.2383, 0.3682** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **17.8386, 0.5787, 0.3116**, and the grayscale version is **38.1802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **31.1702, 0.2381, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **58.9833, 0.2376, 0.3733**, and if you desaturate by 10%, it is **60.0828, 0.2408, 0.3630**.

Distribution



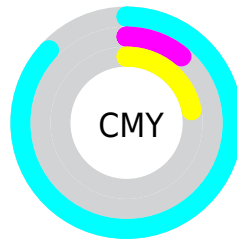
- Red (13%)
- Green (89%)
- Blue (78%)



- Red (13%)
- Yellow (54%)
- Blue (89%)



- Cyan (85%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)




- Cyan (87%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4018, 0.2383, 0.3682 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 59.4018, 0.2383, 0.3682 by changing the saturation by 10% instead.

 59.4018, 0.2383,
0.3682

 59.4018, 0.2383,
0.3682


422.3893, 0.2737,
0.3495

 42.9367, 0.2300,
0.3726


 103.9614, 0.2507,
0.3616

 29.8354, 0.2197,
0.3781

 132.8247, 0.2555,
0.3591


 19.7137, 0.2066,
0.3852

 166.5894, 0.2596,
0.3569

 12.1871, 0.1892,
0.3946

 205.6400, 0.2632,
0.3550

 6.8712, 0.1655,
0.4075

 250.3609, 0.2663,
0.3534

 3.3817, 0.1316,
0.4263

301.1365, 0.2691,

 1.3341, 0.0000,

0.3519

0.4954

358.3512, 0.2715,
0.3506

■ 0.1674, 0.0000,
0.6047

■ 0.0000, 0.0000,
0.0000

■ 59.4018, 0.2383,
0.3682

■ 59.4018, 0.2383,
0.3682

■ 58.9833, 0.2376,
0.3733

■ 60.0828, 0.2408,
0.3630

■ 58.8326, 0.2378,
0.3759

■ 61.0627, 0.2452,
0.3579

■ 62.3791, 0.2516,
0.3528

■ 64.0622, 0.2598,
0.3479

66.1392, 0.2696,
0.3431

68.6343, 0.2808,
0.3387

71.5701, 0.2930,
0.3345

74.9673, 0.3061,
0.3307

78.8455, 0.3197,
0.3273

Harmonies

Analogous

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



59.4018, 0.2931, 0.4270



59.4018, 0.2383, 0.3682



59.4018, 0.2053, 0.3017

Triad

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



59.4018, 0.2383, 0.3682



59.4018, 0.2605, 0.2314



59.4018, 0.4406, 0.3868

Complementary

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



59.4018, 0.2383, 0.3682



17.8386, 0.5787, 0.3116

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.



59.4018, 0.4330, 0.3373



59.4018, 0.2383, 0.3682



59.4018, 0.3223, 0.2528

Square

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



59.4018, 0.2383, 0.3682



59.4018, 0.2174, 0.2305



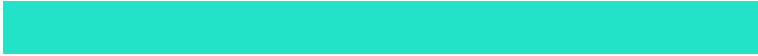
59.4018, 0.3878, 0.2902



59.4018, 0.4110, 0.4292

Rectangle

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



59.4018, 0.2383, 0.3682



59.4018, 0.1979, 0.2667



59.4018, 0.3878, 0.2902



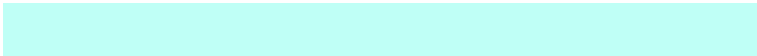
59.4018, 0.4426, 0.3705

Sweetspot

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



59.4041, 0.2383, 0.3682



89.2671, 0.2805, 0.3388



56.1143, 0.3083, 0.5801



18.8483, 0.2764, 0.3403



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.



59.4041, 0.2383, 0.3682



76.5814, 0.2378, 0.3762



30.8703, 0.2000, 0.2285



16.2985, 0.3001, 0.3324



34.3266, 0.2375, 0.3751



2.5465, 0.2355, 0.3676

Inverse Universe

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



17.8386, 0.5787, 0.3116



21.3936, 0.6237, 0.3210



25.8928, 0.5462, 0.3854



14.4019, 0.3270, 0.3256



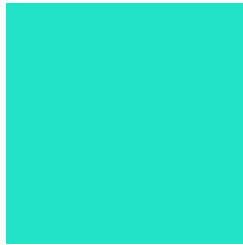
9.5984, 0.6200, 0.3189



0.7200, 0.5850, 0.2996

Previews

White Background



This preview shows how the Yxy color 59.4018, 0.2383, 0.3682 looks on a white background.

Color Contrast Check

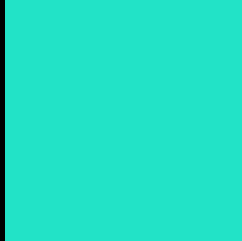
Large Text (above 18pt) WCAG AA × Fail

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 59.4018, 0.2383, 0.3682 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 59.4018, 0.2383, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 59.4018, 0.2383, 0.3682.



This preview shows how white text looks on a background with the Yxy color 59.4018, 0.2383, 0.3682.

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

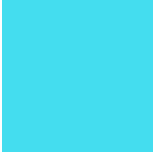
59.4018, 0.2383, 0.3682

Protanopia

58.1791, 0.3309, 0.3480

Deuteranopia

58.3919, 0.3229, 0.3165



Tritanopia

59.1738, 0.2261, 0.3054

Trichromacy



Original Color

59.4018, 0.2383, 0.3682



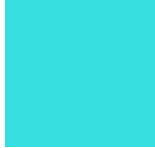
Protanomaly

55.7871, 0.2809, 0.3569



Deuteranomaly

55.5168, 0.2760, 0.3341



Tritanomaly

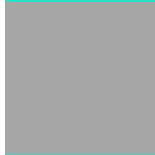
58.9979, 0.2302, 0.3274

Monochromacy



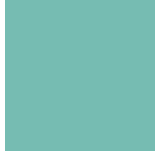
Original Color

59.4018, 0.2383, 0.3682



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

43.0323, 0.2675, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4018, 0.2383, 0.3682 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(34, 227, 199)` looks like.

```
.text, #text, p{  
  color:rgb(34, 227, 199)  
}
```

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(34, 227, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 227, 199) }
```

Border

The CSS property to change the border of an element to Yxy 59.4018, 0.2383, 0.3682 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(34, 227, 199) }
```

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

```
.border{ border-color:rgb(34, 227, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 227, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(34, 227, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(34, 227, 199); box-shadow:4px 4px 4px 4px rgb(34, 227, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4018, 0.2383, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 227, 199) }
```

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

```
.background{ background-color: rgb(34, 227,  
199) }
```

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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