

Converting Colors

$Yxy(58.4711, 0.2177, 0.3037)$

Have a look what the booklet for
Yxy(58.4711, 0.2177, 0.3037)
contains.

Yxy(58.5934, 0.2177, 0.3037)	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(58.5934, 0.2177, 0.3037)

Conversions

Conversions Part 1

Format	Color
Hex	00DEF1
RGB	0, 222, 241
RGB Percent	0%, 87%, 95%
CMY	1.0000, 0.1294, 0.0548
CMYK	1.00, 0.08, 0.00, 0.05
HSL	185°, 100%, 47%
HSV	185°, 100%, 95%
XYZ	42.0013, 58.5934, 92.3372
YIQ	157.7880, -138.4110, -41.1550

Conversions

Conversions Part 2

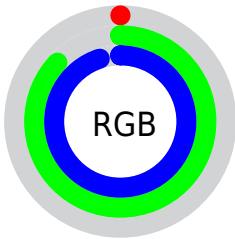
Format	Color
RYB	0, 116, 241
Decimal	57073
CIELab	81.07, -37.55, -21.95
CIELCh	81, 43.497, 210.307
Yxy	58.5934, 0.2177, 0.3037
Android (android.graphics.Color)	4278247153 (0xFF00DEF1)
YUV	157.7880, 41.0235, -138.3801
Hunter-Lab	76.5463, -36.0124, -17.9386

Details

The Yxy color **58.5934, 0.2177, 0.3037** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **19.1730, 0.6355, 0.3336**, and the grayscale version is **33.9513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **30.7752, 0.2157, 0.2964** is the 20% darker color. If you saturate the color by 10%, you get **58.5952, 0.2177, 0.3037**, and if you desaturate by 10%, it is **59.8076, 0.2197, 0.3064**.

Distribution



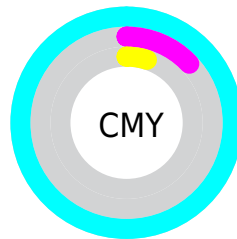
- Red (0%)
- Green (87%)
- Blue (95%)



- Red (0%)
- Yellow (45%)
- Blue (95%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (13%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5934, 0.2177, 0.3037 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 58.5934, 0.2177, 0.3037 by changing the saturation by 10% instead.


 58.5934, 0.2177,
0.3037

 58.5934, 0.2177,
0.3037


419.3935, 0.2615,
0.3174


 42.2859, 0.2079,
0.3001


 102.7865, 0.2328,
0.3089

 29.3252, 0.1959,
0.2954


 131.4408, 0.2387,
0.3107


 19.3270, 0.1809,
0.2890


 164.9796, 0.2438,
0.3123

 11.9068, 0.1620,
0.2801

 203.7872, 0.2482,
0.3137

 6.6802, 0.1373,
0.2669

 248.2480, 0.2521,
0.3148

 3.2629, 0.1046,
0.2460

298.7464, 0.2556,

 1.2705, 0.0419,

0.3158

0.2148

355.6667, 0.2587,
0.3167

■ 0.1182, 0.0000,
0.0602

■ 0.0000, 0.0000,
0.0000

■ 58.5934, 0.2177,
0.3037

■ 58.5934, 0.2177,
0.3037

■ 58.5952, 0.2177,
0.3037

■ 59.8076, 0.2197,
0.3064

■ 61.2737, 0.2232,
0.3090

■ 63.0696, 0.2286,
0.3118

■ 65.2403, 0.2359,
0.3145

67.8238, 0.2452,
0.3172

70.8533, 0.2562,
0.3198

74.3583, 0.2687,
0.3224

78.3661, 0.2825,
0.3247

82.9017, 0.2973,
0.3270

Harmonies

Analogous

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



58.5934, 0.2462, 0.3601



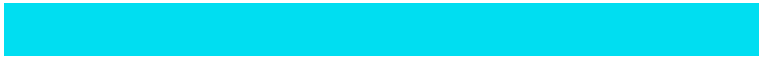
58.5934, 0.2177, 0.3037



58.5934, 0.2125, 0.2620

Triad

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



58.5934, 0.2177, 0.3037



58.5934, 0.3244, 0.2633



58.5934, 0.3970, 0.4184

Complementary

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



58.5934, 0.2177, 0.3037



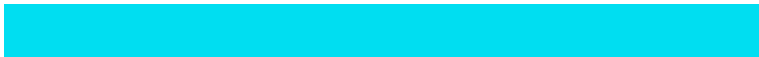
19.1730, 0.6355, 0.3336

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.



58.5934, 0.4233, 0.3831



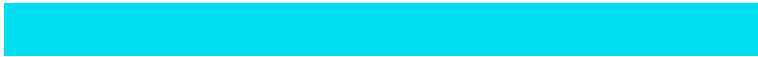
58.5934, 0.2177, 0.3037



58.5934, 0.3802, 0.2973

Square

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



58.5934, 0.2177, 0.3037



58.5934, 0.2698, 0.2435



58.5934, 0.4178, 0.3397



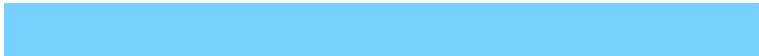
58.5934, 0.3490, 0.4317

Rectangle

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



58.5934, 0.2177, 0.3037



58.5934, 0.2220, 0.2463



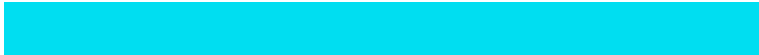
58.5934, 0.4178, 0.3397



58.5934, 0.4088, 0.4083

Sweetspot

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



58.5955, 0.2177, 0.3037



84.4710, 0.2686, 0.3223



62.9658, 0.2991, 0.5968



17.7056, 0.2631, 0.3213



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.



58.5955, 0.2177, 0.3037



66.5607, 0.2177, 0.3036



16.3441, 0.1704, 0.1334



17.7029, 0.2981, 0.3271



31.8588, 0.2178, 0.3041



2.7132, 0.2188, 0.3077

Inverse Universe

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



23.9801, 0.3422, 0.1659



27.2505, 0.3422, 0.1659



36.4799, 0.5234, 0.4226



16.0086, 0.3150, 0.3075



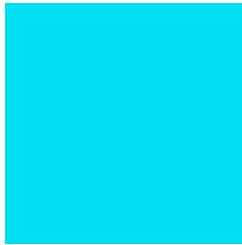
13.0095, 0.3418, 0.1657



1.0886, 0.3387, 0.1640

Previews

White Background



This preview shows how the Yxy color 58.5934, 0.2177, 0.3037 looks on a white background.

Color Contrast Check

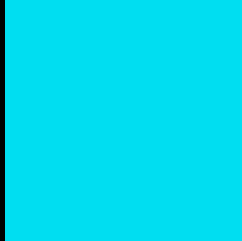
Large Text (above 18pt) WCAG AA × Fail

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 58.5934, 0.2177, 0.3037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

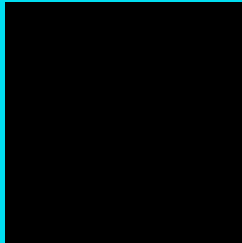
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5934, 0.2177, 0.3037

Background



This preview shows how black text looks on a background with the Yxy color 58.5934, 0.2177, 0.3037.

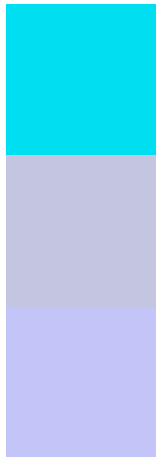


This preview shows how white text looks on a background with the Yxy color 58.5934, 0.2177, 0.3037.

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

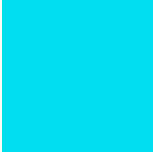
58.5934, 0.2177, 0.3037

Protanopia

57.5602, 0.2923, 0.2975

Deuteranopia

57.7974, 0.2773, 0.2715



Tritanopia

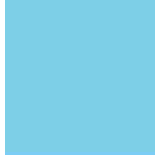
58.5338, 0.2181, 0.3050

Trichromacy



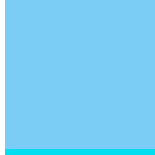
Original Color

58.5934, 0.2177, 0.3037



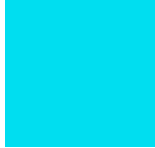
Protanomaly

54.7551, 0.2460, 0.2980



Deuteranomaly

54.5403, 0.2383, 0.2788



Tritanomaly

58.5338, 0.2181, 0.3050

Monochromacy



Original Color

58.5934, 0.2177, 0.3037



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.4453, 0.2498, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5934, 0.2177, 0.3037 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(0, 222, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 241)  
}
```

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(0, 222, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 241) }
```

Border

The CSS property to change the border of an element to Yxy 58.5934, 0.2177, 0.3037 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(0, 222, 241) }
```

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

```
.border{ border-color:rgb(0, 222, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5934, 0.2177, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 241) }
```

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

```
.background{ background-color: rgb(0, 222,  
241) }
```

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