

Converting Colors

$Y_{xy}(53.2595, 0.1711, 0.2981)$

Have a look what the booklet for
Yxy(53.2595, 0.1711, 0.2981)
contains.

Yxy(59.9039, 0.2171, 0.3015)	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(59.9039, 0.2171, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	00E0F5
RGB	0, 224, 245
RGB Percent	0%, 88%, 96%
CMY	0.9989, 0.1216, 0.0393
CMYK	1.00, 0.09, 0.00, 0.04
HSL	185°, 100%, 48%
HSV	185°, 100%, 96%
XYZ	43.1348, 59.9039, 95.6476
YIQ	159.4180, -140.2450, -40.9570

Conversions

Conversions Part 2

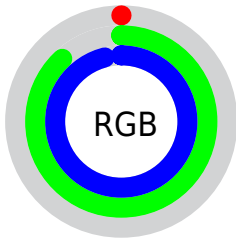
Format	Color
RYB	0, 117, 245
Decimal	57589
CIELab	81.79, -37.25, -22.95
CIELCh	82, 43.754, 211.632
Yxy	59.9039, 0.2171, 0.3015
Android (android.graphics.Color)	4278247669 (0xFF00E0F5)
YUV	159.4180, 42.1919, -139.8096
Hunter-Lab	77.3976, -35.9652, -19.0919

Details

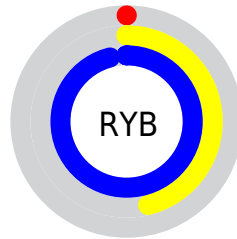
The Yxy color **59.9039, 0.2171, 0.3015** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **19.9523, 0.6348, 0.3340**, and the grayscale version is **34.7630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **31.6794, 0.2149, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **59.8915, 0.2171, 0.3015**, and if you desaturate by 10%, it is **61.2432, 0.2192, 0.3044**.

Distribution



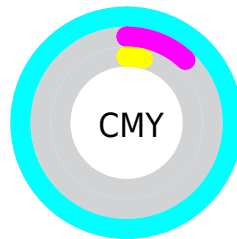
- Red (0%)
- Green (88%)
- Blue (96%)



- Red (0%)
- Yellow (46%)
- Blue (96%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (12%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9039, 0.2171, 0.3015 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 59.9039, 0.2171, 0.3015 by changing the saturation by 10% instead.


 59.9039, 0.2171,
0.3015

 59.9039, 0.2171,
0.3015

424.2435, 0.2609,
0.3162

 43.3412, 0.2073,
0.2977


 104.6903, 0.2322,
0.3070


 30.1529, 0.1954,
0.2927


 133.6827, 0.2381,
0.3090

 19.9547, 0.1806,
0.2861

 167.5871, 0.2432,
0.3107

 12.3621, 0.1618,
0.2768

 206.7880, 0.2476,
0.3122

 6.9908, 0.1375,
0.2633

 251.6696, 0.2516,
0.3134

 3.4563, 0.1056,
0.2422

302.6165, 0.2550,

 1.3744, 0.0505,

0.3145

0.2099

360.0130, 0.2581,
0.3154

■ 0.1977, 0.0000,
0.0861

■ 0.0000, 0.0000,
0.0000

■ 59.9039, 0.2171,
0.3015

■ 59.9039, 0.2171,
0.3015

■ 59.8915, 0.2171,
0.3015

■ 61.2432, 0.2192,
0.3044

■ 62.8481, 0.2228,
0.3073

■ 64.7981, 0.2283,
0.3103

■ 67.1400, 0.2357,
0.3133

■ 69.9132, 0.2450,
0.3162

■ 73.1522, 0.2561,
0.3191

■ 76.8878, 0.2688,
0.3218

■ 81.1483, 0.2826,
0.3244

■ 85.9596, 0.2975,
0.3268

Harmonies

Analogous

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



59.9039, 0.2446, 0.3575



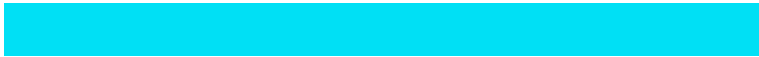
59.9039, 0.2171, 0.3015



59.9039, 0.2130, 0.2608

Triad

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



59.9039, 0.2171, 0.3015



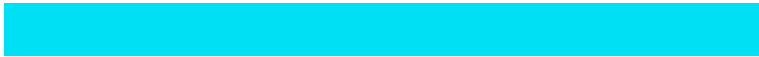
59.9039, 0.3269, 0.2646



59.9039, 0.3951, 0.4194

Complementary

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



59.9039, 0.2171, 0.3015



19.9523, 0.6348, 0.3340

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.



59.9039, 0.4226, 0.3848



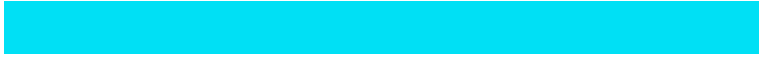
59.9039, 0.2171, 0.3015



59.9039, 0.3823, 0.2991

Square

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



59.9039, 0.2171, 0.3015



59.9039, 0.2720, 0.2441



59.9039, 0.4186, 0.3416



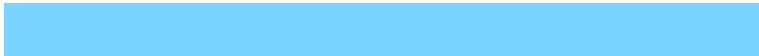
59.9039, 0.3466, 0.4313

Rectangle

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



59.9039, 0.2171, 0.3015



59.9039, 0.2231, 0.2457



59.9039, 0.4186, 0.3416



59.9039, 0.4073, 0.4096

Sweetspot

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



59.9061, 0.2171, 0.3015



84.1538, 0.2685, 0.3218



65.3394, 0.2988, 0.5956



17.6285, 0.2630, 0.3206



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.



59.9061, 0.2171, 0.3015



65.5854, 0.2171, 0.3014



16.1406, 0.1690, 0.1284



18.5007, 0.2981, 0.3269



32.3771, 0.2172, 0.3019



2.9158, 0.2182, 0.3056

Inverse Universe

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



24.7946, 0.3441, 0.1670



27.1520, 0.3442, 0.1670



39.0559, 0.5184, 0.4265



16.7424, 0.3151, 0.3076



13.3679, 0.3437, 0.1667



1.1820, 0.3405, 0.1650

Previews

White Background



This preview shows how the Yxy color 59.9039, 0.2171, 0.3015 looks on a white background.

Color Contrast Check

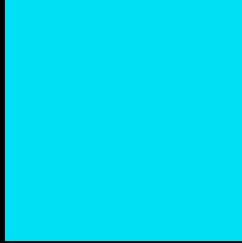
Large Text (above 18pt) WCAG AA × Fail

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 59.9039, 0.2171, 0.3015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

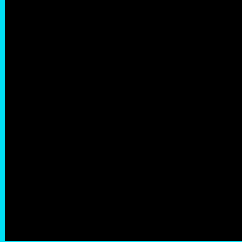
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9039, 0.2171, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 59.9039, 0.2171, 0.3015.



This preview shows how white text looks on a background with the Yxy color 59.9039, 0.2171, 0.3015.

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

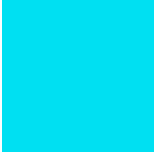
59.9039, 0.2171, 0.3015

Protanopia

58.8360, 0.2904, 0.2955

Deuteranopia

59.0890, 0.2757, 0.2699



Tritanopia

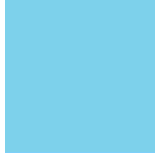
59.7221, 0.2181, 0.3052

Trichromacy



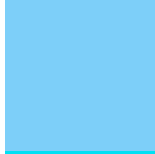
Original Color

59.9039, 0.2171, 0.3015



Protanomaly

55.9591, 0.2445, 0.2958



Deuteranomaly

55.8252, 0.2375, 0.2770



Tritanomaly

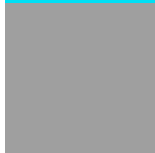
59.7824, 0.2178, 0.3039

Monochromacy



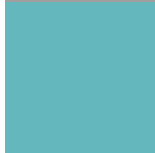
Original Color

59.9039, 0.2171, 0.3015



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.3514, 0.2492, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9039, 0.2171, 0.3015 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, 224, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 245)  
}
```

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, 224, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 245) }
```

Border

The CSS property to change the border of an element to Yxy 59.9039, 0.2171, 0.3015 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, 224, 245) }
```

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

```
.border{ border-color:rgb(0, 224, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9039, 0.2171, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 245) }
```

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

```
.background{ background-color: rgb(0, 224,  
245) }
```

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