

Converting Colors

$Yxy(53.9697, 0.1888, 0.3005)$

Have a look what the booklet for
Yxy(53.9697, 0.1888, 0.3005)
contains.

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Color

Yxy(58.0638, 0.2173, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	00DDF1
RGB	0, 221, 241
RGB Percent	0%, 87%, 95%
CMY	1.0000, 0.1333, 0.0549
CMYK	1.00, 0.08, 0.00, 0.05
HSL	185°, 100%, 47%
HSV	185°, 100%, 95%
XYZ	41.7238, 58.0638, 92.2224
YIQ	157.2010, -138.1360, -40.6320

Conversions

Conversions Part 2

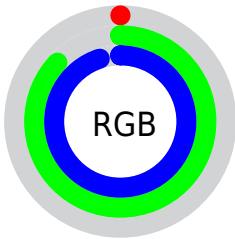
Format	Color
RYB	0, 115, 241
Decimal	56817
CIELab	80.77, -37.13, -22.38
CIELCh	81, 43.351, 211.077
Yxy	58.0638, 0.2173, 0.3024
Android (android.graphics.Color)	4278246897 (0xFF00DDF1)
YUV	157.2010, 41.3129, -137.8653
Hunter-Lab	76.1996, -35.6101, -18.4174

Details

The Yxy color **58.0638, 0.2173, 0.3024** 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 **19.1995, 0.6352, 0.3339**, and the grayscale version is **33.6732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **30.4130, 0.2152, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **58.0718, 0.2173, 0.3024**, and if you desaturate by 10%, it is **59.3286, 0.2194, 0.3052**.

Distribution



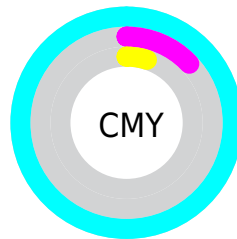
- Red (0%)
- Green (87%)
- Blue (95%)



- 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 58.0638, 0.2173, 0.3024 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 58.0638, 0.2173, 0.3024 by changing the saturation by 10% instead.


 58.0638, 0.2173,
0.3024


 58.0638, 0.2173,
0.3024


417.4236, 0.2613,
0.3168

 41.8599, 0.2074,
0.2986


 102.0158, 0.2325,
0.3078

 28.9916, 0.1953,
0.2937


 130.5327, 0.2384,
0.3098

 19.0745, 0.1803,
0.2871


 163.9227, 0.2435,
0.3114

 11.7241, 0.1612,
0.2778

 202.5702, 0.2480,
0.3128

 6.5561, 0.1363,
0.2641

 246.8597, 0.2519,
0.3140

 3.1861, 0.1035,
0.2425

297.1755, 0.2554,

 1.2296, 0.0389,

0.3151

0.2106

353.9020, 0.2585,
0.3160

■ 0.0857, 0.0000,
0.0446

■ 0.0000, 0.0000,
0.0000

■ 58.0638, 0.2173,
0.3024

■ 58.0638, 0.2173,
0.3024

■ 58.0718, 0.2173,
0.3024

■ 59.3286, 0.2194,
0.3052

■ 60.8405, 0.2229,
0.3080

■ 62.6832, 0.2284,
0.3109

■ 64.9017, 0.2358,
0.3138

■ 67.5341, 0.2450,
0.3166

■ 70.6134, 0.2561,
0.3194

■ 74.1694, 0.2687,
0.3220

■ 78.2291, 0.2825,
0.3245

■ 82.8175, 0.2973,
0.3269

Harmonies

Analogous

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



58.0638, 0.2452, 0.3586



58.0638, 0.2173, 0.3024



58.0638, 0.2127, 0.2613

Triad

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



58.0638, 0.2173, 0.3024



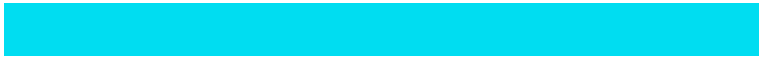
58.0638, 0.3259, 0.2640



58.0638, 0.3959, 0.4190

Complementary

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



58.0638, 0.2173, 0.3024



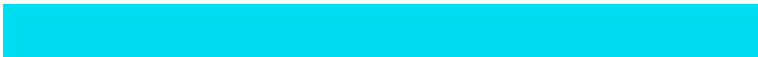
19.1995, 0.6352, 0.3339

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.



58.0638, 0.4230, 0.3841



58.0638, 0.2173, 0.3024



58.0638, 0.3815, 0.2984

Square

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



58.0638, 0.2173, 0.3024



58.0638, 0.2711, 0.2438



58.0638, 0.4183, 0.3408



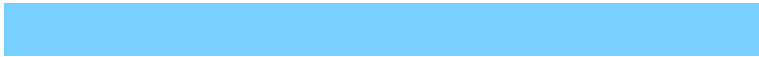
58.0638, 0.3476, 0.4315

Rectangle

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



58.0638, 0.2173, 0.3024



58.0638, 0.2226, 0.2459



58.0638, 0.4183, 0.3408



58.0638, 0.4079, 0.4091

Sweetspot

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



58.0718, 0.2173, 0.3024



84.2843, 0.2686, 0.3220



62.9452, 0.2991, 0.5968



17.6602, 0.2631, 0.3209



0.0000, 0.0000, 0.0000



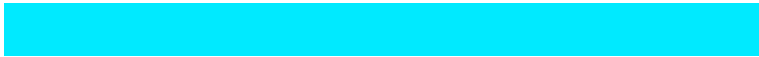
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.0718, 0.2173, 0.3024



65.9858, 0.2173, 0.3023



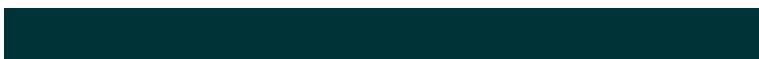
16.3382, 0.1704, 0.1334



17.6916, 0.2981, 0.3270



31.5894, 0.2175, 0.3029



2.6936, 0.2185, 0.3066

Inverse Universe

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



23.9212, 0.3433, 0.1665



27.1925, 0.3434, 0.1665



36.4674, 0.5234, 0.4226



16.0075, 0.3151, 0.3076



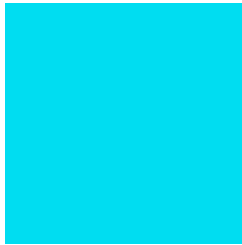
12.9823, 0.3429, 0.1663



1.0866, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 58.0638, 0.2173, 0.3024 looks on a white background.

Color Contrast Check

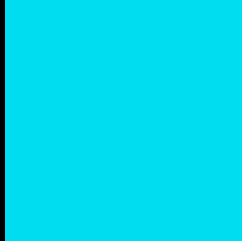
Large Text (above 18pt) WCAG AA × Fail

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 58.0638, 0.2173, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

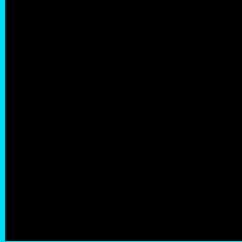
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.0638, 0.2173, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 58.0638, 0.2173, 0.3024.



This preview shows how white text looks on a background with the Yxy color 58.0638, 0.2173, 0.3024.

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

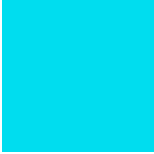
58.0638, 0.2173, 0.3024

Protanopia

56.9708, 0.2915, 0.2962

Deuteranopia

57.2149, 0.2766, 0.2702



Tritanopia

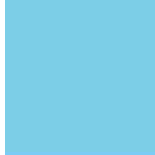
57.9449, 0.2180, 0.3049

Trichromacy



Original Color

58.0638, 0.2173, 0.3024



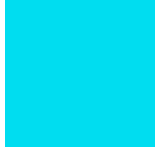
Protanomaly

54.1972, 0.2452, 0.2966



Deuteranomaly

53.9893, 0.2376, 0.2774



Tritanomaly

58.0042, 0.2177, 0.3036

Monochromacy



Original Color

58.0638, 0.2173, 0.3024



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

38.9827, 0.2490, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0638, 0.2173, 0.3024 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, 221, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 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, 221, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 241) }
```

Border

The CSS property to change the border of an element to Yxy 58.0638, 0.2173, 0.3024 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, 221, 241) }
```

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

```
.border{ border-color:rgb(0, 221, 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, 221, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0638, 0.2173, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 241) }
```

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

```
.background{ background-color: rgb(0, 221,  
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](#).

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