

Converting Colors

$Yxy(56.1415, 0.2027, 0.2986)$

Have a look what the booklet for
Yxy(56.1415, 0.2027, 0.2986)
contains.

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Color

Yxy(58.1840, 0.2166, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	00DDF3
RGB	0, 221, 243
RGB Percent	0%, 87%, 95%
CMY	1.0000, 0.1333, 0.0471
CMYK	1.00, 0.09, 0.00, 0.05
HSL	185°, 100%, 48%
HSV	185°, 100%, 95%
XYZ	42.0229, 58.1840, 93.8045
YIQ	157.4290, -138.7780, -40.0100

Conversions

Conversions Part 2

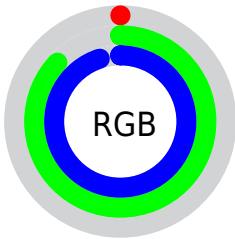
Format	Color
RYB	0, 116, 243
Decimal	56819
CIELab	80.84, -36.51, -23.34
CIELCh	81, 43.333, 212.587
Yxy	58.1840, 0.2166, 0.2999
Android (android.graphics.Color)	4278246899 (0xFF00DDF3)
YUV	157.4290, 42.1865, -138.0652
Hunter-Lab	76.2784, -35.1491, -19.5178

Details

The Yxy color **58.1840, 0.2166, 0.2999** 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 **19.6267, 0.6345, 0.3344**, and the grayscale version is **33.7778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **30.4981, 0.2143, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **58.1929, 0.2166, 0.2999**, and if you desaturate by 10%, it is **59.5591, 0.2188, 0.3030**.

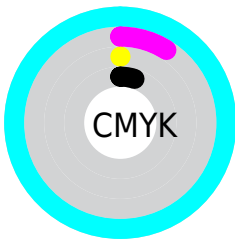
Distribution



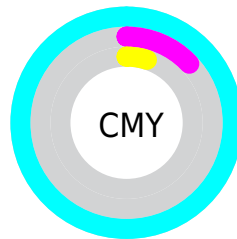
- Red (0%)
- Green (87%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1840, 0.2166, 0.2999 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 58.1840, 0.2166, 0.2999 by changing the saturation by 10% instead.

 58.1840, 0.2166,
0.2999

 58.1840, 0.2166,
0.2999


 417.8712, 0.2609,
0.3155


 41.9566, 0.2067,
0.2959


 102.1908, 0.2318,
0.3057


 29.0673, 0.1946,
0.2906


 130.7389, 0.2378,
0.3078


 19.1317, 0.1795,
0.2836


 164.1627, 0.2430,
0.3096

 11.7655, 0.1604,
0.2738

 202.8467, 0.2475,
0.3112

 6.5842, 0.1356,
0.2595

 247.1751, 0.2514,
0.3125

 3.2035, 0.1029,
0.2371

297.5324, 0.2549,

 1.2389, 0.0410,

0.3136

0.2038

354.3030, 0.2581,
0.3146

■ 0.0931, 0.0000,
0.0454

■ 0.0000, 0.0000,
0.0000

■ 58.1840, 0.2166,
0.2999

■ 58.1840, 0.2166,
0.2999

■ 58.1929, 0.2166,
0.2999

■ 59.5591, 0.2188,
0.3030

■ 61.1878, 0.2224,
0.3061

■ 63.1561, 0.2279,
0.3092

■ 65.5101, 0.2354,
0.3124

68.2884, 0.2448,
0.3155

71.5249, 0.2559,
0.3185

75.2499, 0.2686,
0.3214

79.4911, 0.2825,
0.3241

84.2740, 0.2973,
0.3267

Harmonies

Analogous

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



58.1840, 0.2434, 0.3556



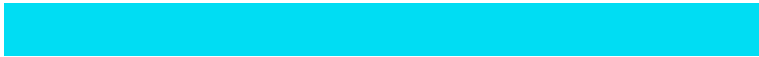
58.1840, 0.2166, 0.2999



58.1840, 0.2132, 0.2598

Triad

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



58.1840, 0.2166, 0.2999



58.1840, 0.3288, 0.2655



58.1840, 0.3938, 0.4202

Complementary

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



58.1840, 0.2166, 0.2999



19.6267, 0.6345, 0.3344

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.



58.1840, 0.4222, 0.3861



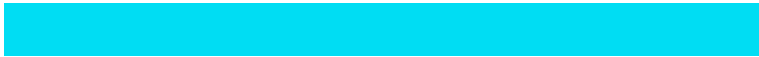
58.1840, 0.2166, 0.2999



58.1840, 0.3839, 0.3004

Square

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



58.1840, 0.2166, 0.2999



58.1840, 0.2736, 0.2445



58.1840, 0.4193, 0.3430



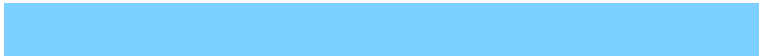
58.1840, 0.3449, 0.4312

Rectangle

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



58.1840, 0.2166, 0.2999



58.1840, 0.2239, 0.2453



58.1840, 0.4193, 0.3430



58.1840, 0.4062, 0.4107

Sweetspot

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



58.1929, 0.2166, 0.2999



83.9289, 0.2685, 0.3214



64.1494, 0.2988, 0.5957



17.5739, 0.2630, 0.3202



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.



58.1929, 0.2166, 0.2999



64.8978, 0.2166, 0.2998



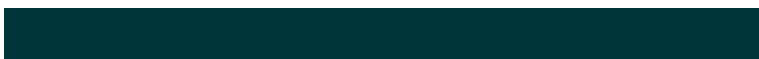
15.8263, 0.1690, 0.1282



18.4864, 0.2981, 0.3268



32.0445, 0.2168, 0.3004



2.8900, 0.2179, 0.3043

Inverse Universe

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



24.2751, 0.3455, 0.1677



27.0826, 0.3456, 0.1677



38.3245, 0.5185, 0.4265



16.7409, 0.3152, 0.3078



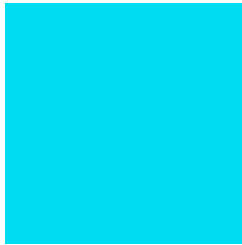
13.3343, 0.3451, 0.1675



1.1794, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 58.1840, 0.2166, 0.2999 looks on a white background.

Color Contrast Check

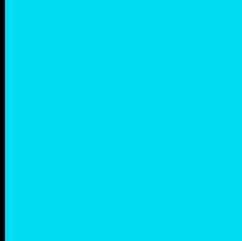
Large Text (above 18pt) WCAG AA × Fail

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 58.1840, 0.2166, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

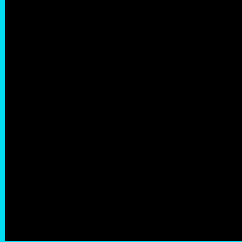
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.1840, 0.2166, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 58.1840, 0.2166, 0.2999.



This preview shows how white text looks on a background with the Yxy color 58.1840, 0.2166, 0.2999.

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

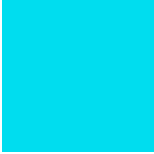
58.1840, 0.2166, 0.2999

Protanopia

57.4036, 0.2895, 0.2951

Deuteranopia

57.2072, 0.2746, 0.2681



Tritanopia

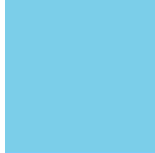
57.9449, 0.2180, 0.3049

Trichromacy



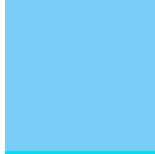
Original Color

58.1840, 0.2166, 0.2999



Protanomaly

54.2368, 0.2438, 0.2942



Deuteranomaly

54.1121, 0.2367, 0.2752



Tritanomaly

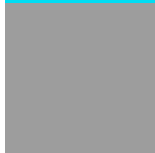
58.0042, 0.2177, 0.3036

Monochromacy



Original Color

58.1840, 0.2166, 0.2999



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 58.1840, 0.2166, 0.2999 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 243) }
```

Border

The CSS property to change the border of an element to Yxy 58.1840, 0.2166, 0.2999 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, 243) }
```

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

```
.border{ border-color:rgb(0, 221, 243) }
```

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, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1840, 0.2166, 0.2999 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, 243) }
```

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

```
.background{ background-color: rgb(0, 221,  
243) }
```

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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