

Converting Colors

$Y_{xy}(58.7260, 0.2214, 0.3169)$

Have a look what the booklet for
Yxy(58.7260, 0.2214, 0.3169)
contains.

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Color

Yxy(58.6080, 0.2214, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	02DFE8
RGB	2, 223, 232
RGB Percent	1%, 87%, 91%
CMY	0.9920, 0.1255, 0.0903
CMYK	0.99, 0.04, 0.00, 0.09
HSL	182°, 98%, 46%
HSV	182°, 99%, 91%
XYZ	40.9719, 58.6080, 85.4785
YIQ	157.9470, -134.6050, -44.0530

Conversions

Conversions Part 2

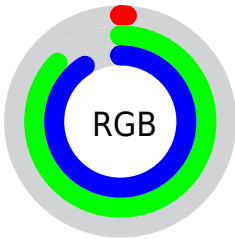
Format	Color
RYB	2, 115, 232
Decimal	188392
CIELab	81.08, -40.72, -17.13
CIELCh	81, 44.180, 202.811
Yxy	58.6080, 0.2214, 0.3167
Android (android.graphics.Color)	4278378472 (0xFF02DFE8)
YUV	157.9470, 36.5081, -136.7655
Hunter-Lab	76.5559, -38.4413, -12.6112

Details

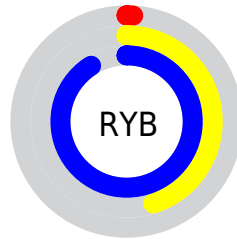
The Yxy color **58.6080, 0.2214, 0.3167** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.3962, 0.6368, 0.3316**, and the grayscale version is **34.0463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **30.7720, 0.2203, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **58.5545, 0.2213, 0.3166**, and if you desaturate by 10%, it is **59.2922, 0.2231, 0.3180**.

Distribution



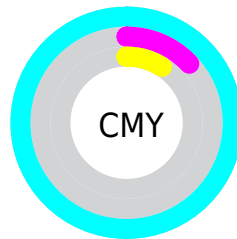
- Red (1%)
- Green (87%)
- Blue (91%)



- Red (1%)
- Yellow (45%)
- Blue (91%)



- Cyan (99%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)




- Cyan (99%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6080, 0.2214, 0.3167 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 58.6080, 0.2214, 0.3167 by changing the saturation by 10% instead.

 58.6080, 0.2214,
0.3167


 58.6080, 0.2214,
0.3167

419.4477, 0.2637,
0.3241

 42.2976, 0.2118,
0.3146


 102.8077, 0.2360,
0.3196

 29.3344, 0.2001,
0.3117


 131.4659, 0.2417,
0.3207


 19.3340, 0.1854,
0.3076

 165.0087, 0.2467,
0.3215

 11.9118, 0.1666,
0.3017


 203.8207, 0.2509,
0.3222

 6.6837, 0.1420,
0.2925

 248.2862, 0.2547,
0.3228

 3.2651, 0.1089,
0.2768

298.7896, 0.2581,

 1.2716, 0.0344,

0.3233

0.2554

355.7153, 0.2610,
0.3237

■ 0.1191, 0.0000,
0.0797

■ 0.0000, 0.0000,
0.0000

■ 58.6080, 0.2214,
0.3167

■ 58.6080, 0.2214,
0.3167

■ 58.5545, 0.2213,
0.3166

■ 59.2922, 0.2231,
0.3180

■ 60.2097, 0.2263,
0.3193

■ 61.4250, 0.2313,
0.3206

■ 62.9785, 0.2383,
0.3219

■ 64.9041, 0.2473,
0.3232

■ 67.2317, 0.2580,
0.3245

■ 69.9879, 0.2703,
0.3258

■ 73.1974, 0.2840,
0.3270

■ 76.8826, 0.2987,
0.3281

Harmonies

Analogous

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



58.6080, 0.2558, 0.3750



58.6080, 0.2214, 0.3167



58.6080, 0.2102, 0.2695

Triad

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



58.6080, 0.2214, 0.3167



58.6080, 0.3098, 0.2558



58.6080, 0.4074, 0.4121

Complementary

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



58.6080, 0.2214, 0.3167



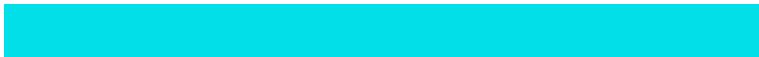
17.3962, 0.6368, 0.3316

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.



58.6080, 0.4269, 0.3731



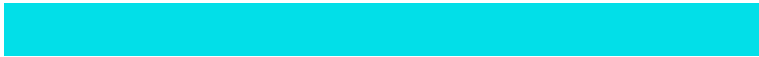
58.6080, 0.2214, 0.3167



58.6080, 0.3681, 0.2872

Square

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



58.6080, 0.2214, 0.3167



58.6080, 0.2574, 0.2401



58.6080, 0.4126, 0.3286



58.6080, 0.3629, 0.4329

Rectangle

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



58.6080, 0.2214, 0.3167



58.6080, 0.2160, 0.2499



58.6080, 0.4126, 0.3286



58.6080, 0.4173, 0.4004

Sweetspot

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



58.6102, 0.2214, 0.3167



86.3723, 0.2690, 0.3256



57.7345, 0.2996, 0.5979



18.1682, 0.2636, 0.3251



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.



58.6102, 0.2214, 0.3167



72.5480, 0.2213, 0.3165



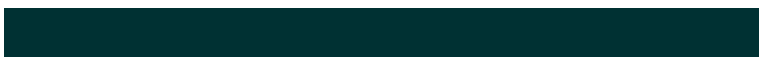
16.8486, 0.1740, 0.1459



16.2347, 0.2982, 0.3280



32.5597, 0.2213, 0.3168



2.4363, 0.2219, 0.3187

Inverse Universe

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



22.5235, 0.3310, 0.1599



27.8549, 0.3311, 0.1598



31.7407, 0.5313, 0.4157



14.6050, 0.3144, 0.3067



12.4846, 0.3309, 0.1597



0.9256, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 58.6080, 0.2214, 0.3167 looks on a white background.

Color Contrast Check

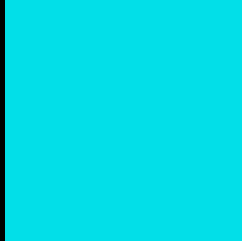
Large Text (above 18pt) WCAG AA × Fail

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 58.6080, 0.2214, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

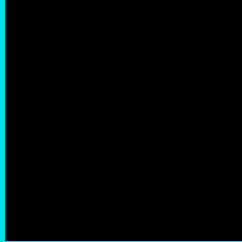
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.6080, 0.2214, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 58.6080, 0.2214, 0.3167.



This preview shows how white text looks on a background with the Yxy color 58.6080, 0.2214, 0.3167.

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

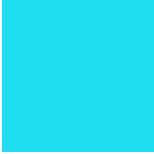
58.6145, 0.2214, 0.3167

Protanopia

57.3518, 0.2999, 0.3078

Deuteranopia

57.4826, 0.2865, 0.2802



Tritanopia

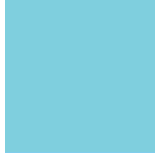
58.8098, 0.2199, 0.3051

Trichromacy



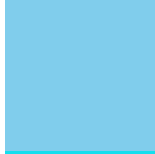
Original Color

58.6145, 0.2214, 0.3167



Protanomaly

54.4116, 0.2515, 0.3093



Deuteranomaly

54.3080, 0.2445, 0.2895



Tritanomaly

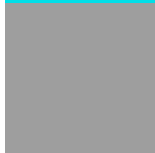
58.5057, 0.2201, 0.3089

Monochromacy



Original Color

58.6145, 0.2214, 0.3167



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.7254, 0.2518, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6080, 0.2214, 0.3167 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(2, 223, 232)` looks like.

```
.text, #text, p{  
    color:rgb(2, 223, 232)  
}
```

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(2, 223, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 223, 232) }
```

Border

The CSS property to change the border of an element to Yxy 58.6080, 0.2214, 0.3167 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(2, 223, 232) }
```

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

```
.border{ border-color:rgb(2, 223, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 223, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 223, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 223, 232);  
box-shadow:4px 4px 4px 4px rgb(2, 223,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6080, 0.2214, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 223, 232) }
```

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

```
.background{ background-color: rgb(2, 223,  
232) }
```

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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