

Converting Colors

$Yxy(58.4306, 0.2201, 0.3125)$

Have a look what the booklet for
Yxy(58.4306, 0.2201, 0.3125)
contains.

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Color

Yxy(58.2407, 0.2198, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	00DEEB
RGB	0, 222, 235
RGB Percent	0%, 87%, 92%
CMY	1.0000, 0.1294, 0.0784
CMYK	1.00, 0.06, 0.00, 0.08
HSL	183°, 100%, 46%
HSV	183°, 100%, 92%
XYZ	41.1089, 58.2407, 87.6790
YIQ	157.1040, -136.4850, -43.0210

Conversions

Conversions Part 2

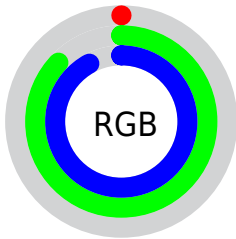
Format	Color
RYB	0, 114, 235
Decimal	57067
CIELab	80.87, -39.43, -19.05
CIELCh	81, 43.788, 205.786
Yxy	58.2407, 0.2198, 0.3114
Android (android.graphics.Color)	4278247147 (0xFF00DEEB)
YUV	157.1040, 38.4027, -137.7802
Hunter-Lab	76.3156, -37.3998, -14.6974

Details

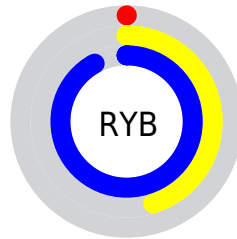
The Yxy color **58.2407, 0.2198, 0.3114** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.9517, 0.6371, 0.3324**, and the grayscale version is **33.6403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **30.5271, 0.2184, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **58.2485, 0.2198, 0.3114**, and if you desaturate by 10%, it is **59.1298, 0.2216, 0.3132**.

Distribution



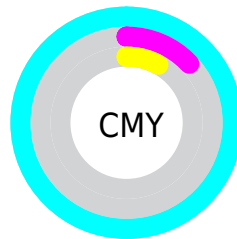
- Red (0%)
- Green (87%)
- Blue (92%)



- Red (0%)
- Yellow (45%)
- Blue (92%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2407, 0.2198, 0.3114 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 58.2407, 0.2198, 0.3114 by changing the saturation by 10% instead.


 58.2407, 0.2198,
0.3114

 58.2407, 0.2198,
0.3114


418.0822, 0.2628,
0.3214


 42.0022, 0.2101,
0.3086

 102.2733, 0.2346,
0.3153


 29.1030, 0.1982,
0.3050


 130.8362, 0.2404,
0.3166

 19.1588, 0.1834,
0.2999

 164.2759, 0.2455,
0.3178

 11.7850, 0.1644,
0.2927

 202.9770, 0.2498,
0.3188

 6.5975, 0.1396,
0.2817

 247.3238, 0.2536,
0.3196

 3.2117, 0.1065,
0.2636

297.7007, 0.2570,

 1.2432, 0.0347,

0.3203

0.2378

354.4920, 0.2601,
0.3209

■ 0.0966, 0.0000,
0.0598

■ 0.0000, 0.0000,
0.0000

■ 58.2407, 0.2198,
0.3114

■ 58.2407, 0.2198,
0.3114

■ 58.2485, 0.2198,
0.3114

■ 59.1298, 0.2216,
0.3132

■ 60.2446, 0.2248,
0.3151

■ 61.6649, 0.2299,
0.3170

■ 63.4331, 0.2370,
0.3189

■ 65.5847, 0.2459,
0.3207

■ 68.1509, 0.2567,
0.3226

■ 71.1596, 0.2690,
0.3243

■ 74.6361, 0.2826,
0.3260

■ 78.6041, 0.2973,
0.3276

Harmonies

Analogous

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



58.2407, 0.2518, 0.3691



58.2407, 0.2198, 0.3114



58.2407, 0.2110, 0.2664

Triad

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



58.2407, 0.2198, 0.3114



58.2407, 0.3156, 0.2588



58.2407, 0.4034, 0.4147

Complementary

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



58.2407, 0.2198, 0.3114



17.9517, 0.6371, 0.3324

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.



58.2407, 0.4256, 0.3771



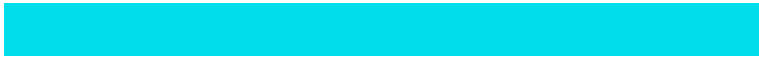
58.2407, 0.2198, 0.3114



58.2407, 0.3730, 0.2912

Square

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



58.2407, 0.2198, 0.3114



58.2407, 0.2623, 0.2414



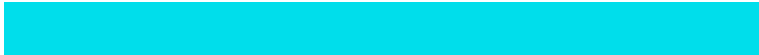
58.2407, 0.4149, 0.3330



58.2407, 0.3574, 0.4326

Rectangle

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



58.2407, 0.2198, 0.3114



58.2407, 0.2183, 0.2483



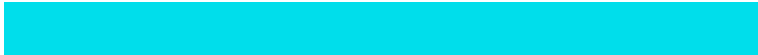
58.2407, 0.4149, 0.3330



58.2407, 0.4140, 0.4036

Sweetspot

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



58.2485, 0.2198, 0.3114



85.5945, 0.2688, 0.3243



59.4486, 0.2993, 0.5977



17.9788, 0.2634, 0.3236



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.



58.2485, 0.2198, 0.3114



70.0700, 0.2198, 0.3113



16.2563, 0.1719, 0.1389



16.9708, 0.2981, 0.3276



32.4782, 0.2199, 0.3117



2.5940, 0.2206, 0.3142

Inverse Universe

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



22.9386, 0.3355, 0.1622



27.6048, 0.3356, 0.1622



33.4319, 0.5281, 0.4189



15.2985, 0.3146, 0.3071



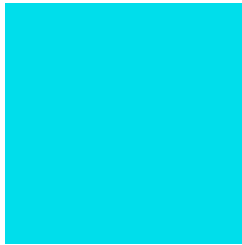
12.7715, 0.3353, 0.1620



1.0073, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 58.2407, 0.2198, 0.3114 looks on a white background.

Color Contrast Check

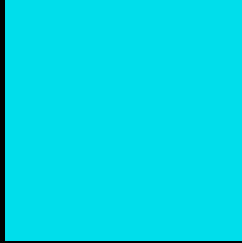
Large Text (above 18pt) WCAG AA × Fail

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 58.2407, 0.2198, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

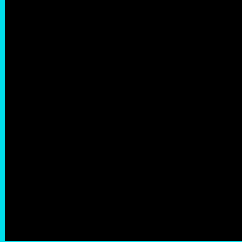
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.2407, 0.2198, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 58.2407, 0.2198, 0.3114.



This preview shows how white text looks on a background with the Yxy color 58.2407, 0.2198, 0.3114.

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

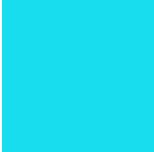
58.2407, 0.2198, 0.3114

Protanopia

57.3730, 0.2971, 0.3043

Deuteranopia

57.3869, 0.2831, 0.2769



Tritanopia

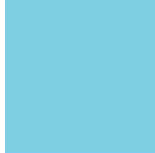
58.1271, 0.2193, 0.3050

Trichromacy



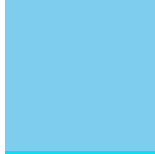
Original Color

58.2407, 0.2198, 0.3114



Protanomaly

54.4219, 0.2490, 0.3054



Deuteranomaly

54.3303, 0.2421, 0.2858



Tritanomaly

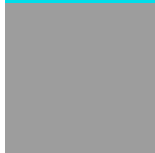
57.9875, 0.2191, 0.3062

Monochromacy



Original Color

58.2407, 0.2198, 0.3114



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

39.2599, 0.2510, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2407, 0.2198, 0.3114 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 235) }
```

Border

The CSS property to change the border of an element to Yxy 58.2407, 0.2198, 0.3114 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, 235) }
```

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

```
.border{ border-color:rgb(0, 222, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2407, 0.2198, 0.3114 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, 235) }
```

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

```
.background{ background-color: rgb(0, 222,  
235) }
```

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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