

Converting Colors

$Y_{xy}(58.3605, 0.2232, 0.3235)$

Have a look what the booklet for
Yxy(58.3605, 0.2232, 0.3235)
contains.

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Color

Yxy(58.3214, 0.2232, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	01DFE3
RGB	1, 223, 227
RGB Percent	0%, 87%, 89%
CMY	0.9951, 0.1255, 0.1098
CMYK	0.99, 0.02, 0.00, 0.11
HSL	181°, 99%, 45%
HSV	181°, 99%, 89%
XYZ	40.2640, 58.3214, 81.8087
YIQ	157.0780, -133.5960, -45.8200

Conversions

Conversions Part 2

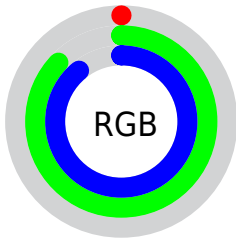
Format	Color
RYB	1, 113, 227
Decimal	122851
CIELab	80.92, -42.23, -14.72
CIELCh	81, 44.722, 199.220
Yxy	58.3214, 0.2232, 0.3233
Android (android.graphics.Color)	4278312931 (0xFF01DFE3)
YUV	157.0780, 34.4715, -136.8804
Hunter-Lab	76.3684, -39.5337, -10.0557

Details

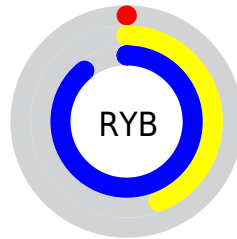
The Yxy color **58.3214, 0.2232, 0.3233** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.4482, 0.6383, 0.3308**, and the grayscale version is **33.6729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **30.6160, 0.2222, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **58.3036, 0.2231, 0.3233**, and if you desaturate by 10%, it is **58.7250, 0.2246, 0.3239**.

Distribution



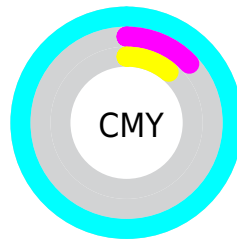
- Red (0%)
- Green (87%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (99%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3214, 0.2232, 0.3233 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 58.3214, 0.2232, 0.3233 by changing the saturation by 10% instead.


 58.3214, 0.2232,
0.3233

 58.3214, 0.2232,
0.3233


418.3825, 0.2648,
0.3275


 42.0671, 0.2137,
0.3219


 102.3907, 0.2376,
0.3251


 29.1538, 0.2021,
0.3200


 130.9746, 0.2432,
0.3257

 19.1972, 0.1875,
0.3172


 164.4370, 0.2481,
0.3261

 11.8129, 0.1688,
0.3130

 203.1625, 0.2523,
0.3265

 6.6164, 0.1440,
0.3059

 247.5354, 0.2560,
0.3268

 3.2234, 0.1105,
0.2933

297.9401, 0.2593,

 1.2494, 0.0263,

0.3271

0.2791

354.7610, 0.2622,
0.3273

■ 0.1015, 0.0000,
0.0811

■ 0.0000, 0.0000,
0.0000

■ 58.3214, 0.2232,
0.3233

■ 58.3214, 0.2232,
0.3233

■ 58.3036, 0.2231,
0.3233

■ 58.7250, 0.2246,
0.3239

■ 59.3439, 0.2276,
0.3245

■ 60.2428, 0.2323,
0.3251

■ 61.4601, 0.2390,
0.3257

■ 63.0281, 0.2476,
0.3263

■ 64.9752, 0.2580,
0.3269

■ 67.3268, 0.2701,
0.3275

■ 70.1061, 0.2836,
0.3280

■ 73.3348, 0.2982,
0.3285

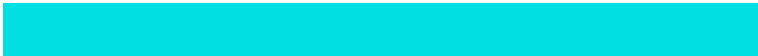
Harmonies

Analogous

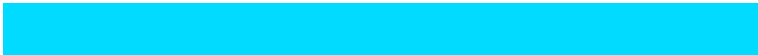
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.3214, 0.2605, 0.3825



58.3214, 0.2232, 0.3233



58.3214, 0.2090, 0.2733

Triad

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



58.3214, 0.2232, 0.3233



58.3214, 0.3028, 0.2521



58.3214, 0.4126, 0.4090

Complementary

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



58.3214, 0.2232, 0.3233



16.4482, 0.6383, 0.3308

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.



58.3214, 0.4286, 0.3682



58.3214, 0.2232, 0.3233



58.3214, 0.3621, 0.2822

Square

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



58.3214, 0.2232, 0.3233



58.3214, 0.2514, 0.2384



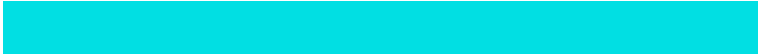
58.3214, 0.4100, 0.3232



58.3214, 0.3698, 0.4333

Rectangle

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



58.3214, 0.2232, 0.3233



58.3214, 0.2129, 0.2516



58.3214, 0.4100, 0.3232



58.3214, 0.4215, 0.3965

Sweetspot

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



58.3236, 0.2232, 0.3233



87.3995, 0.2692, 0.3274



54.9585, 0.2998, 0.5989



18.4186, 0.2639, 0.3272



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.



58.3236, 0.2232, 0.3233



75.8814, 0.2231, 0.3232



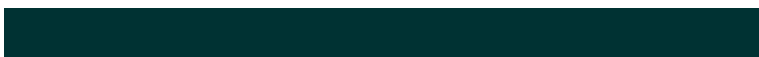
16.7846, 0.1754, 0.1510



16.2901, 0.2982, 0.3285



34.0217, 0.2232, 0.3234



2.5282, 0.2234, 0.3242

Inverse Universe

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



21.6855, 0.3254, 0.1568



28.1914, 0.3255, 0.1567



29.2645, 0.5367, 0.4117



14.6106, 0.3141, 0.3063



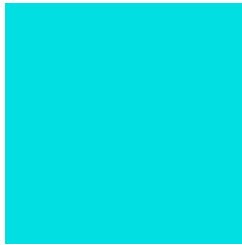
12.6322, 0.3254, 0.1566



0.9349, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 58.3214, 0.2232, 0.3233 looks on a white background.

Color Contrast Check

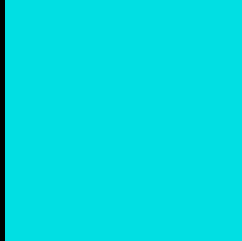
Large Text (above 18pt) WCAG AA × Fail

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 58.3214, 0.2232, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

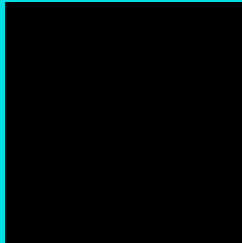
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3214, 0.2232, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 58.3214, 0.2232, 0.3233.



This preview shows how white text looks on a background with the Yxy color 58.3214, 0.2232, 0.3233.

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

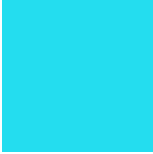
58.3279, 0.2232, 0.3233

Protanopia

57.2334, 0.3042, 0.3136

Deuteranopia

57.0233, 0.2912, 0.2845



Tritanopia

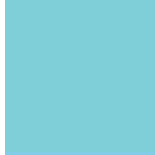
58.3200, 0.2205, 0.3051

Trichromacy



Original Color

58.3279, 0.2232, 0.3233



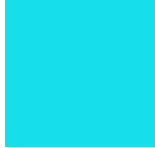
Protanomaly

54.1474, 0.2541, 0.3157



Deuteranomaly

54.0993, 0.2475, 0.2955



Tritanomaly

58.4229, 0.2211, 0.3115

Monochromacy



Original Color

58.3279, 0.2232, 0.3233



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

39.1345, 0.2528, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3214, 0.2232, 0.3233 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(1, 223, 227)` looks like.

```
.text, #text, p{  
    color:rgb(1, 223, 227)  
}
```

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(1, 223, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 223, 227) }
```

Border

The CSS property to change the border of an element to Yxy 58.3214, 0.2232, 0.3233 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(1, 223, 227) }
```

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

```
.border{ border-color:rgb(1, 223, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 223, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 223, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 223, 227);  
box-shadow:4px 4px 4px 4px rgb(1, 223,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3214, 0.2232, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 223, 227) }
```

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

```
.background{ background-color: rgb(1, 223,  
227) }
```

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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