

Converting Colors

$Y_{xy}(58.5555, 0.2251, 0.3293)$

Have a look what the booklet for
Yxy(58.5555, 0.2251, 0.3293)
contains.

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Color

Yxy(58.6777, 0.2253, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	06E0DF
RGB	6, 224, 223
RGB Percent	2%, 88%, 87%
CMY	0.9770, 0.1215, 0.1255
CMYK	0.97, 0.00, 0.00, 0.12
HSL	180°, 95%, 45%
HSV	180°, 97%, 88%
XYZ	40.0487, 58.6777, 79.0309
YIQ	158.7040, -129.6070, -46.5270

Conversions

Conversions Part 2

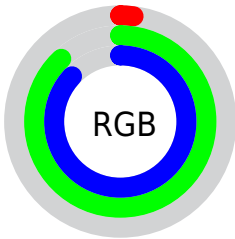
Format	Color
RYB	6, 115, 224
Decimal	450783
CIELab	81.11, -43.75, -12.30
CIELCh	81, 45.445, 195.704
Yxy	58.6777, 0.2253, 0.3301
Android (android.graphics.Color)	4278640863 (0xFF06E0DF)
YUV	158.7040, 31.6979, -133.9214
Hunter-Lab	76.6014, -40.7290, -7.5495

Details

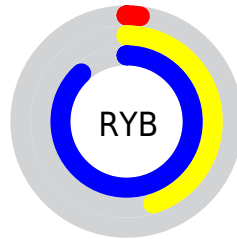
The Yxy color **58.6777, 0.2253, 0.3301** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **15.9902, 0.6361, 0.3298**, and the grayscale version is **34.4067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **30.8324, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **58.6406, 0.2250, 0.3301**, and if you desaturate by 10%, it is **58.8981, 0.2268, 0.3300**.

Distribution



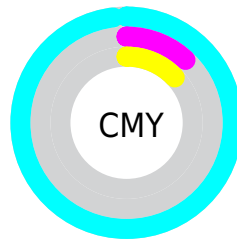
- Red (2%)
- Green (88%)
- Blue (87%)



- Red (2%)
- Yellow (45%)
- Blue (88%)



- Cyan (97%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)




- Cyan (98%)
- Magenta (12%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6777, 0.2253, 0.3301 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 58.6777, 0.2253, 0.3301 by changing the saturation by 10% instead.

 58.6777, 0.2253,
0.3301

 58.6777, 0.2253,
0.3301

 419.7065, 0.2660,
0.3309

 42.3537, 0.2160,
0.3296


 102.9091, 0.2394,
0.3307


 29.3784, 0.2046,
0.3287


 131.5853, 0.2449,
0.3308

 19.3672, 0.1902,
0.3273

 165.1477, 0.2497,
0.3309

 11.9359, 0.1717,
0.3248


 203.9807, 0.2538,
0.3309

 6.7001, 0.1471,
0.3204

 248.4687, 0.2574,
0.3309

 3.2752, 0.1136,
0.3116

 298.9960, 0.2606,

 1.2771, 0.0243,

0.3309

355.9472, 0.2635,
0.3309

0.3055

■ 0.1233, 0.0000,
0.1103

■ 0.0000, 0.0000,
0.0000

■ 58.6777, 0.2253,
0.3301

■ 58.6777, 0.2253,
0.3301

■ 58.6406, 0.2250,
0.3301

■ 58.8981, 0.2268,
0.3300

■ 59.3481, 0.2298,
0.3298

■ 60.0774, 0.2347,
0.3297

■ 61.1217, 0.2416,
0.3296

■ 62.5114, 0.2503,
0.3294

■ 64.2733, 0.2609,
0.3293

■ 66.4315, 0.2731,
0.3292

■ 69.0082, 0.2867,
0.3291

■ 72.0238, 0.3014,
0.3291

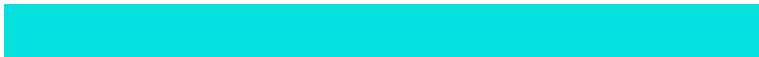
Harmonies

Analogous

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



58.6777, 0.2655, 0.3898



58.6777, 0.2253, 0.3301



58.6777, 0.2081, 0.2774

Triad

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



58.6777, 0.2253, 0.3301



58.6777, 0.2958, 0.2486



58.6777, 0.4175, 0.4057

Complementary

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



58.6777, 0.2253, 0.3301



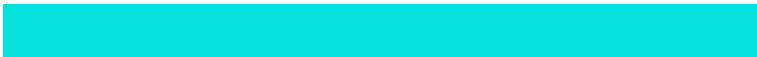
15.9902, 0.6361, 0.3298

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.



58.6777, 0.4299, 0.3632



58.6777, 0.2253, 0.3301



58.6777, 0.3558, 0.2773

Square

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



58.6777, 0.2253, 0.3301



58.6777, 0.2456, 0.2369



58.6777, 0.4070, 0.3178



58.6777, 0.3766, 0.4333

Rectangle

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



58.6777, 0.2253, 0.3301



58.6777, 0.2102, 0.2537



58.6777, 0.4070, 0.3178



58.6777, 0.4253, 0.3925

Sweetspot

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



58.6799, 0.2253, 0.3301



88.5480, 0.2708, 0.3292



53.3881, 0.3003, 0.5981



18.6816, 0.2655, 0.3293



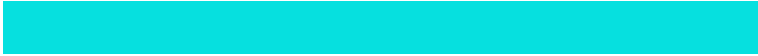
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



58.6799, 0.2253, 0.3301



78.6651, 0.2250, 0.3301



18.5105, 0.1798, 0.1658



15.5712, 0.2983, 0.3291



34.1319, 0.2250, 0.3301



2.3662, 0.2250, 0.3299

Inverse Universe

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



15.9902, 0.6361, 0.3298



21.2626, 0.6398, 0.3298



27.2942, 0.5422, 0.4056



13.7016, 0.3291, 0.3289



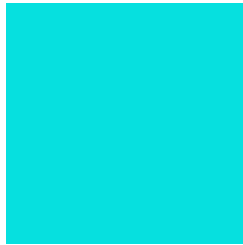
9.2260, 0.6396, 0.3297



0.6399, 0.6380, 0.3288

Previews

White Background



This preview shows how the Yxy color 58.6777, 0.2253, 0.3301 looks on a white background.

Color Contrast Check

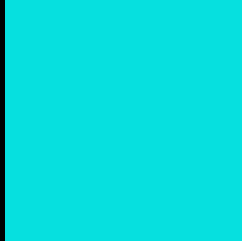
Large Text (above 18pt) WCAG AA × Fail

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 58.6777, 0.2253, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

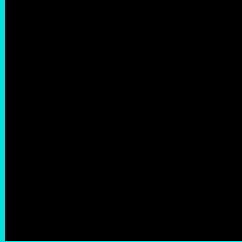
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.6777, 0.2253, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 58.6777, 0.2253, 0.3301.

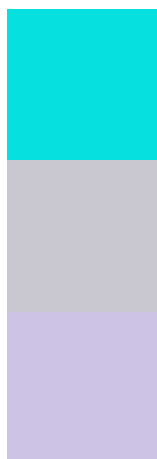


This preview shows how white text looks on a background with the Yxy color 58.6777, 0.2253, 0.3301.

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

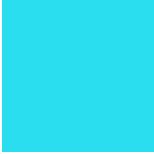
58.6777, 0.2253, 0.3301

Protanopia

57.7693, 0.3085, 0.3195

Deuteranopia

57.6665, 0.2962, 0.2903



Tritanopia

58.4371, 0.2213, 0.3051

Trichromacy



Original Color

58.6777, 0.2253, 0.3301



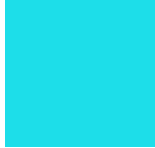
Protanomaly

54.6617, 0.2580, 0.3222



Deuteranomaly

54.6752, 0.2518, 0.3019



Tritanomaly

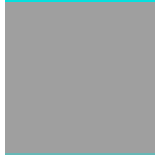
58.3870, 0.2224, 0.3141

Monochromacy



Original Color

58.6777, 0.2253, 0.3301



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.1279, 0.2550, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6777, 0.2253, 0.3301 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(6, 224, 223)` looks like.

```
.text, #text, p{  
    color:rgb(6, 224, 223)  
}
```

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(6, 224, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 224, 223) }
```

Border

The CSS property to change the border of an element to Yxy 58.6777, 0.2253, 0.3301 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(6, 224, 223) }
```

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

```
.border{ border-color:rgb(6, 224, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 224, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 224, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 224, 223);  
box-shadow:4px 4px 4px 4px rgb(6, 224,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6777, 0.2253, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 224, 223) }
```

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

```
.background{ background-color: rgb(6, 224,  
223) }
```

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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