

Converting Colors

$Y_{xy}(58.7027, 0.2210, 0.2968)$

Have a look what the booklet for
Yxy(58.7027, 0.2210, 0.2968)
contains.

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Color

Yxy(58.5912, 0.2209, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	37DCF5
RGB	55, 220, 245
RGB Percent	22%, 86%, 96%
CMY	0.7837, 0.1373, 0.0393
CMYK	0.77, 0.10, 0.00, 0.04
HSL	188°, 90%, 59%
HSV	188°, 77%, 96%
XYZ	43.6519, 58.5912, 95.3663
YIQ	173.5150, -106.3650, -27.2050

Conversions

Conversions Part 2

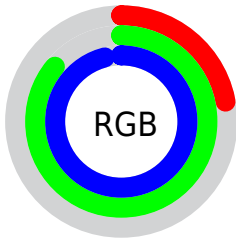
Format	Color
RYB	55, 143, 245
Decimal	3661045
CIELab	81.07, -32.62, -24.00
CIELCh	81, 40.500, 216.341
Yxy	58.5912, 0.2209, 0.2965
Android (android.graphics.Color)	4281851125 (0xFF37DCF5)
YUV	173.5150, 35.2421, -103.9377
Hunter-Lab	76.5449, -32.1588, -20.2872

Details

The Yxy color **58.5912, 0.2209, 0.2965** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **25.4404, 0.5644, 0.3484**, and the grayscale version is **41.9470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **30.5844, 0.2134, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **56.3874, 0.2163, 0.2918**, and if you desaturate by 10%, it is **61.1750, 0.2275, 0.3012**.

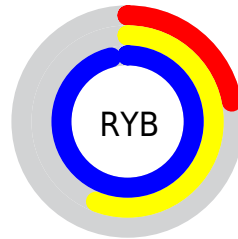
Distribution



Red (22%)

Green (86%)

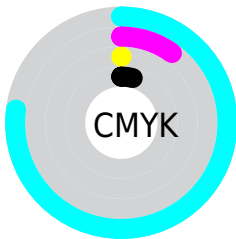
Blue (96%)



Red (22%)

Yellow (56%)

Blue (96%)

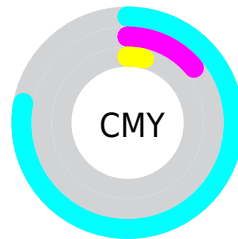


Cyan (77%)

Magenta (10%)

Yellow (0%)

Black (4%)



Cyan (78%)


Magenta (14%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5912, 0.2209, 0.2965 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 58.5912, 0.2209, 0.2965 by changing the saturation by 10% instead.


 58.5912, 0.2209,
0.2965


 58.5912, 0.2209,
0.2965


419.3853, 0.2632,
0.3135


 42.2841, 0.2114,
0.2922


 102.7833, 0.2355,
0.3028


 29.3238, 0.1998,
0.2866


 131.4371, 0.2412,
0.3051

 19.3259, 0.1853,
0.2793


 164.9752, 0.2461,
0.3070

 11.9060, 0.1669,
0.2691

 203.7822, 0.2504,
0.3087

 6.6797, 0.1429,
0.2544

248.2422, 0.2542,
0.3101

 3.2626, 0.1111,
0.2319

298.7398, 0.2575,

 1.2703, 0.0571,

0.3114

0.1972

355.6594, 0.2605,
0.3125

0.1181, 0.0000,
0.0538

0.0000, 0.0000,
0.0000

58.5912, 0.2209,
0.2965

58.5912, 0.2209,
0.2965

56.3874, 0.2163,
0.2918

61.1750, 0.2275,
0.3012

54.4983, 0.2134,
0.2872

64.1774, 0.2360,
0.3058


54.0496, 0.2128,
0.2861


67.6386, 0.2464,
0.3104


71.5922, 0.2583,
0.3148

 76.0686, 0.2717,
0.3190

 81.0954, 0.2860,
0.3229

 86.6985, 0.3011,
0.3265

 92.9017, 0.3167,
0.3298

 95.6019, 0.3189,
0.3329

Harmonies

Analogous

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



58.5912, 0.2436, 0.3472



58.5912, 0.2209, 0.2965



58.5912, 0.2204, 0.2612

Triad

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



58.5912, 0.2209, 0.2965



58.5912, 0.3347, 0.2729



58.5912, 0.3839, 0.4171

Complementary

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



58.5912, 0.2209, 0.2965



25.4404, 0.5644, 0.3484

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.



58.5912, 0.4132, 0.3877



58.5912, 0.2209, 0.2965



58.5912, 0.3845, 0.3071

Square

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



58.5912, 0.2209, 0.2965



58.5912, 0.2822, 0.2512



58.5912, 0.4141, 0.3478



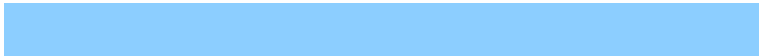
58.5912, 0.3367, 0.4230

Rectangle

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



58.5912, 0.2209, 0.2965



58.5912, 0.2323, 0.2490



58.5912, 0.4141, 0.3478



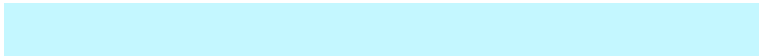
58.5912, 0.3963, 0.4093

Sweetspot

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



58.5933, 0.2209, 0.2965



85.6988, 0.2779, 0.3207



66.6413, 0.2958, 0.5540



17.9277, 0.2728, 0.3193



0.0000, 0.0000, 0.0000



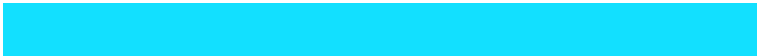
21.4041, 0.3127, 0.3290

Same Dimension

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



58.5933, 0.2209, 0.2965



60.5536, 0.2144, 0.2892



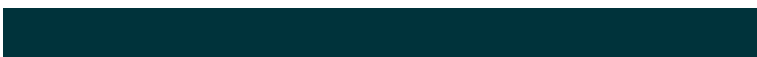
22.8254, 0.1867, 0.1654



18.3641, 0.2981, 0.3258



29.2738, 0.2130, 0.2868



2.6741, 0.2146, 0.2926

Inverse Universe

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



27.3217, 0.3474, 0.1827



27.0590, 0.3549, 0.1750



49.2684, 0.4712, 0.4370



16.7286, 0.3158, 0.3087



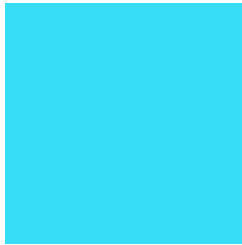
13.0546, 0.3572, 0.1741



1.1576, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 58.5912, 0.2209, 0.2965 looks on a white background.

Color Contrast Check

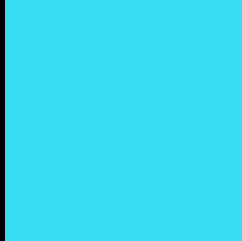
Large Text (above 18pt) WCAG AA × Fail

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 58.5912, 0.2209, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

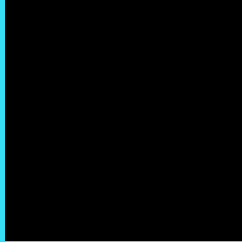
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5912, 0.2209, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 58.5912, 0.2209, 0.2965.



This preview shows how white text looks on a background with the Yxy color 58.5912, 0.2209, 0.2965.

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

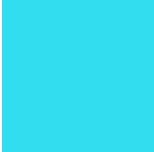
58.5912, 0.2209, 0.2965

Protanopia

57.5707, 0.2875, 0.2918

Deuteranopia

57.7194, 0.2741, 0.2682



Tritanopia

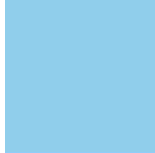
58.6230, 0.2226, 0.3052

Trichromacy



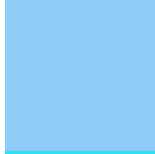
Original Color

58.5912, 0.2209, 0.2965



Protanomaly

56.0701, 0.2536, 0.2928



Deuteranomaly

56.2796, 0.2463, 0.2767



Tritanomaly

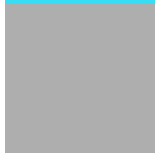
58.7938, 0.2222, 0.3027

Monochromacy



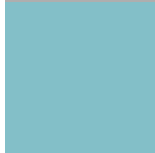
Original Color

58.5912, 0.2209, 0.2965



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.2570, 0.2627, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5912, 0.2209, 0.2965 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(55, 220, 245)` looks like.

```
.text, #text, p{  
    color:rgb(55, 220, 245)  
}
```

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(55, 220, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 220, 245) }
```

Border

The CSS property to change the border of an element to Yxy 58.5912, 0.2209, 0.2965 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(55, 220, 245) }
```

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

```
.border{ border-color:rgb(55, 220, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 220, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 220, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 220, 245);  
box-shadow:4px 4px 4px 4px rgb(55, 220,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5912, 0.2209, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 220, 245) }
```

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

```
.background{ background-color: rgb(55, 220,  
245) }
```

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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