

Converting Colors

$Y_{xy}(57.5946, 0.2172, 0.2991)$

Have a look what the booklet for
Yxy(57.5946, 0.2172, 0.2991)
contains.

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Color

Yxy(57.7164, 0.2174, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	11DCF2
RGB	17, 220, 242
RGB Percent	7%, 86%, 95%
CMY	0.9330, 0.1372, 0.0509
CMYK	0.93, 0.09, 0.00, 0.05
HSL	186°, 90%, 51%
HSV	186°, 93%, 95%
XYZ	41.8531, 57.7164, 92.9469
YIQ	161.8110, -128.0500, -36.1940

Conversions

Conversions Part 2

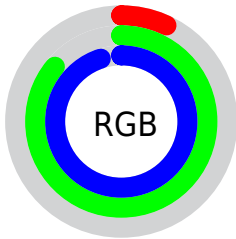
Format	Color
R _Y B	17, 124, 242
Decimal	1170674
CIE Lab	80.58, -35.90, -23.20
CIE LCh	81, 42.750, 212.875
Yxy	57.7164, 0.2174, 0.2998
Android (android.graphics.Color)	4279360754 (0xFF11DCF2)
YUV	161.8110, 39.5332, -126.9992
Hunter-Lab	75.9713, -34.6131, -19.3583

Details

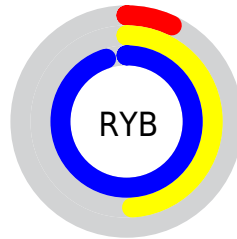
The Yxy color **57.7164, 0.2174, 0.2998** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **20.3770, 0.6209, 0.3378**, and the grayscale version is **35.9075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **30.0961, 0.2142, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **56.7256, 0.2160, 0.2975**, and if you desaturate by 10%, it is **59.3278, 0.2206, 0.3032**.

Distribution



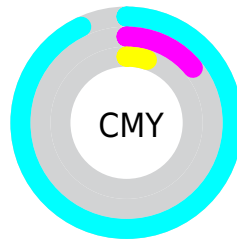
- Red (7%)
- Green (86%)
- Blue (95%)



- Red (7%)
- Yellow (49%)
- Blue (95%)



- Cyan (93%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)




- Cyan (93%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7164, 0.2174, 0.2998 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 57.7164, 0.2174, 0.2998 by changing the saturation by 10% instead.


 57.7164, 0.2174,
0.2998

 57.7164, 0.2174,
0.2998


416.1283, 0.2614,
0.3154

 41.5807, 0.2075,
0.2957

 101.5098, 0.2326,
0.3056


 28.7731, 0.1954,
0.2905


 129.9362, 0.2385,
0.3078

 18.9092, 0.1804,
0.2834


 163.2283, 0.2436,
0.3096

 11.6047, 0.1613,
0.2736

 201.7706, 0.2481,
0.3111

 6.4751, 0.1364,
0.2592

 245.9473, 0.2520,
0.3124

 3.1361, 0.1036,
0.2367

296.1429, 0.2555,

 1.2032, 0.0400,

0.3135

0.2033

352.7418, 0.2586,
0.3145

■ 0.0643, 0.0000,
0.0329

■ 0.0000, 0.0000,
0.0000

■ 57.7164, 0.2174,
0.2998

■ 57.7164, 0.2174,
0.2998

■ 56.7256, 0.2160,
0.2975

■ 59.3278, 0.2206,
0.3032

■ 61.2605, 0.2257,
0.3066

■ 63.5654, 0.2327,
0.3100

■ 66.2825, 0.2416,
0.3134

■ 69.4465, 0.2524,
0.3167

■ 73.0885, 0.2646,
0.3199

■ 77.2364, 0.2782,
0.3229

■ 81.9163, 0.2928,
0.3257

■ 87.1522, 0.3081,
0.3283

Harmonies

Analogous

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



57.7164, 0.2438, 0.3548



57.7164, 0.2174, 0.2998



57.7164, 0.2143, 0.2603

Triad

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



57.7164, 0.2174, 0.2998



57.7164, 0.3292, 0.2664



57.7164, 0.3926, 0.4195

Complementary

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



57.7164, 0.2174, 0.2998



20.3770, 0.6209, 0.3378

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.



57.7164, 0.4209, 0.3861



57.7164, 0.2174, 0.2998



57.7164, 0.3836, 0.3011

Square

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



57.7164, 0.2174, 0.2998



57.7164, 0.2745, 0.2454



57.7164, 0.4183, 0.3434



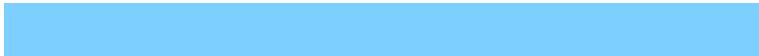
57.7164, 0.3441, 0.4300

Rectangle

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



57.7164, 0.2174, 0.2998



57.7164, 0.2250, 0.2460



57.7164, 0.4183, 0.3434



57.7164, 0.4050, 0.4102

Sweetspot

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



57.7185, 0.2174, 0.2998



84.5040, 0.2711, 0.3214



63.7574, 0.2982, 0.5886



17.6672, 0.2653, 0.3200



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.



57.7185, 0.2174, 0.2998



63.8400, 0.2159, 0.2974



17.8571, 0.1739, 0.1416



17.6491, 0.2981, 0.3266



30.5835, 0.2161, 0.2980



2.6203, 0.2173, 0.3024

Inverse Universe

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



24.4501, 0.3454, 0.1698



26.9758, 0.3477, 0.1689



40.1910, 0.5074, 0.4306



16.0032, 0.3153, 0.3080



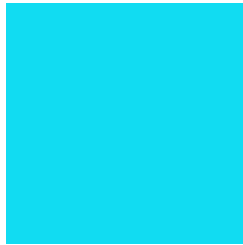
12.8808, 0.3472, 0.1686



1.0792, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 57.7164, 0.2174, 0.2998 looks on a white background.

Color Contrast Check

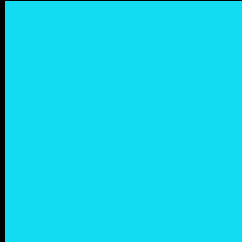
Large Text (above 18pt) WCAG AA × Fail

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 57.7164, 0.2174, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

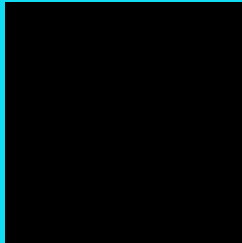
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.7164, 0.2174, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 57.7164, 0.2174, 0.2998.



This preview shows how white text looks on a background with the Yxy color 57.7164, 0.2174, 0.2998.

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

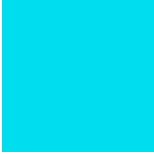
57.7164, 0.2174, 0.2998

Protanopia

56.7609, 0.2894, 0.2950

Deuteranopia

56.5674, 0.2745, 0.2678



Tritanopia

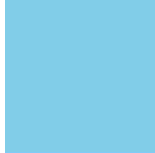
57.8859, 0.2184, 0.3062

Trichromacy



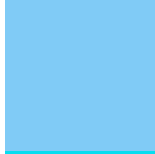
Original Color

57.7164, 0.2174, 0.2998



Protanomaly

54.1560, 0.2470, 0.2943



Deuteranomaly

53.9549, 0.2393, 0.2753



Tritanomaly

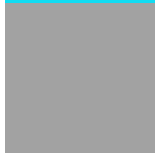
57.9836, 0.2183, 0.3049

Monochromacy



Original Color

57.7164, 0.2174, 0.2998



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.8798, 0.2531, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7164, 0.2174, 0.2998 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(17, 220, 242)` looks like.

```
.text, #text, p{  
    color:rgb(17, 220, 242)  
}
```

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(17, 220, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 220, 242) }
```

Border

The CSS property to change the border of an element to Yxy 57.7164, 0.2174, 0.2998 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(17, 220, 242) }
```

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

```
.border{ border-color:rgb(17, 220, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 220, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 220, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 220, 242);  
box-shadow:4px 4px 4px 4px rgb(17, 220,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7164, 0.2174, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 220, 242) }
```

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

```
.background{ background-color: rgb(17, 220,  
242) }
```

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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