

Converting Colors

$Yxy(58.7047, 0.2301, 0.3105)$

Have a look what the booklet for
Yxy(58.7047, 0.2301, 0.3105)
contains.

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Color

Yxy(58.7047, 0.2301, 0.3105)

Conversions

Conversions Part 1

Format	Color
Hex	4DDCEA
RGB	77, 220, 234
RGB Percent	30%, 86%, 92%
CMY	0.6978, 0.1372, 0.0825
CMYK	0.67, 0.06, 0.00, 0.08
HSL	185°, 79%, 61%
HSV	185°, 67%, 92%
XYZ	43.5039, 58.7047, 86.8565
YIQ	178.8390, -89.7220, -25.9620

Conversions

Conversions Part 2

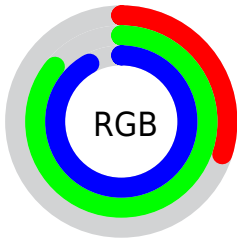
Format	Color
RYB	77, 152, 234
Decimal	5102826
CIELab	81.13, -33.33, -18.02
CIElCh	81, 37.890, 208.401
Yxy	58.7047, 0.2301, 0.3105
Android (android.graphics.Color)	4283292906 (0xFF4DDCEA)
YUV	178.8390, 27.1944, -89.3128
Hunter-Lab	76.6190, -32.7319, -13.5788

Details

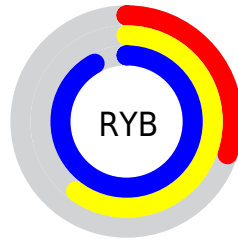
The Yxy color **58.7047, 0.2301, 0.3105** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.5089, 0.5242, 0.3428**, and the grayscale version is **44.8848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **29.7653, 0.2179, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **56.8154, 0.2240, 0.3074**, and if you desaturate by 10%, it is **60.9619, 0.2381, 0.3136**.

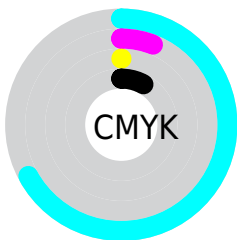
Distribution



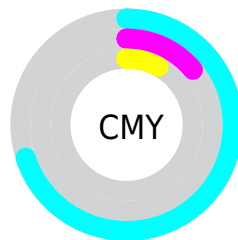
- Red (30%)
- Green (86%)
- Blue (92%)



- Red (30%)
- Yellow (60%)
- Blue (92%)



- Cyan (67%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)




- Cyan (70%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7047, 0.2301, 0.3105 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 58.7047, 0.2301, 0.3105 by changing the saturation by 10% instead.


 58.7047, 0.2301,
0.3105


 58.7047, 0.2301,
0.3105


419.8067, 0.2685,
0.3206


 42.3754, 0.2214,
0.3078


 102.9484, 0.2434,
0.3143


 29.3954, 0.2107,
0.3043


 131.6315, 0.2486,
0.3157

 19.3801, 0.1972,
0.2995


 165.2015, 0.2530,
0.3169

 11.9453, 0.1798,
0.2927

 204.0426, 0.2569,
0.3179

 6.7064, 0.1568,
0.2824

248.5393, 0.2604,
0.3187

 3.2792, 0.1253,
0.2657

299.0760, 0.2634,

 1.2792, 0.0669,

0.3194

0.2396

356.0370, 0.2661,
0.3200

0.1250, 0.0000,
0.0787

0.0000, 0.0000,
0.0000

58.7047, 0.2301,
0.3105

58.7047, 0.2301,
0.3105

56.8154, 0.2240,
0.3074

60.9619, 0.2381,
0.3136

55.2478, 0.2198,
0.3043


63.6141, 0.2480,
0.3166

53.9529, 0.2174,
0.3013


66.6933, 0.2596,
0.3195

53.6006, 0.2168,
0.3004

70.2264, 0.2726,
0.3223

 74.2380, 0.2868,
0.3250

 78.7508, 0.3018,
0.3274

 83.7862, 0.3173,
0.3296

 87.5722, 0.3268,
0.3317

 88.7828, 0.3266,
0.3337

Harmonies

Analogous

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



58.7047, 0.2569, 0.3593



58.7047, 0.2301, 0.3105



58.7047, 0.2239, 0.2726

Triad

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



58.7047, 0.2301, 0.3105



58.7047, 0.3200, 0.2694



58.7047, 0.3890, 0.4061

Complementary

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



58.7047, 0.2301, 0.3105



25.5089, 0.5242, 0.3428

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.



58.7047, 0.4098, 0.3752



58.7047, 0.2301, 0.3105



58.7047, 0.3688, 0.2992

Square

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



58.7047, 0.2301, 0.3105



58.7047, 0.2727, 0.2528



58.7047, 0.4027, 0.3367



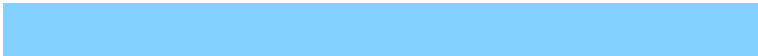
58.7047, 0.3481, 0.4180

Rectangle

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



58.7047, 0.2301, 0.3105



58.7047, 0.2316, 0.2574



58.7047, 0.4027, 0.3367



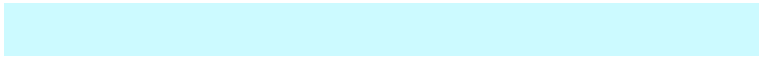
58.7047, 0.3986, 0.3973

Sweetspot

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



58.7069, 0.2301, 0.3105



88.7153, 0.2824, 0.3242



61.1488, 0.2981, 0.5309



18.6920, 0.2784, 0.3234



0.0000, 0.0000, 0.0000



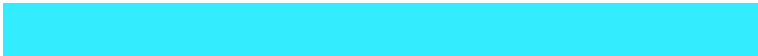
21.4041, 0.3127, 0.3290

Same Dimension

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



58.7069, 0.2301, 0.3105



68.4014, 0.2224, 0.3064



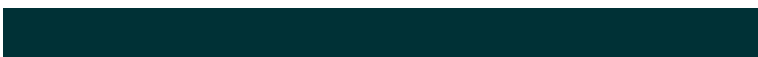
26.9938, 0.2030, 0.1982



16.8792, 0.2981, 0.3268



30.2254, 0.2169, 0.3009



2.4407, 0.2181, 0.3051

Inverse Universe

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



27.9696, 0.3345, 0.1890



29.7329, 0.3391, 0.1748



46.2463, 0.4531, 0.4244



15.2893, 0.3152, 0.3078



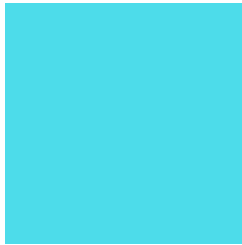
12.5441, 0.3446, 0.1672



0.9918, 0.3409, 0.1652

Previews

White Background



This preview shows how the Yxy color 58.7047, 0.2301, 0.3105 looks on a white background.

Color Contrast Check

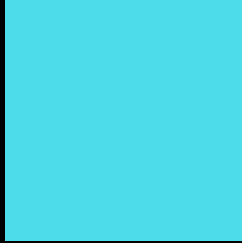
Large Text (above 18pt) WCAG AA × Fail

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 58.7047, 0.2301, 0.3105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

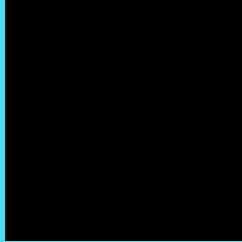
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7047, 0.2301, 0.3105

Background



This preview shows how black text looks on a background with the Yxy color 58.7047, 0.2301, 0.3105.



This preview shows how white text looks on a background with the Yxy color 58.7047, 0.2301, 0.3105.

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

58.7047, 0.2301, 0.3105

Protanopia

58.0199, 0.2972, 0.3044

Deuteranopia

57.5416, 0.2858, 0.2792



Tritanopia

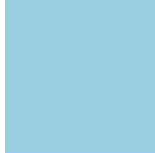
58.4397, 0.2291, 0.3054

Trichromacy



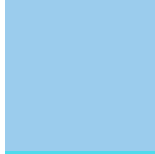
Original Color

58.7047, 0.2301, 0.3105



Protanomaly

56.9319, 0.2650, 0.3064



Deuteranomaly

56.2687, 0.2585, 0.2886



Tritanomaly

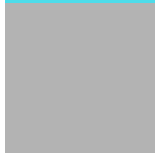
58.3389, 0.2292, 0.3066

Monochromacy



Original Color

58.7047, 0.2301, 0.3105



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.4579, 0.2709, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7047, 0.2301, 0.3105 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(77, 220, 234)` looks like.

```
.text, #text, p{  
    color:rgb(77, 220, 234)  
}
```

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(77, 220, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 220, 234) }
```

Border

The CSS property to change the border of an element to Yxy 58.7047, 0.2301, 0.3105 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(77, 220, 234) }
```

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

```
.border{ border-color:rgb(77, 220, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 220, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 220, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 220, 234);  
box-shadow:4px 4px 4px 4px rgb(77, 220,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7047, 0.2301, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 220, 234) }
```

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

```
.background{ background-color: rgb(77, 220,  
234) }
```

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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