

Converting Colors

$Yxy(59.8821, 0.2330, 0.3110)$

Have a look what the booklet for
Yxy(59.8821, 0.2330, 0.3110)
contains.

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Color

Yxy(59.7373, 0.2329, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	57DDEB
RGB	87, 221, 235
RGB Percent	34%, 87%, 92%
CMY	0.6588, 0.1333, 0.0785
CMYK	0.63, 0.06, 0.00, 0.08
HSL	186°, 79%, 63%
HSV	186°, 63%, 92%
XYZ	44.7789, 59.7373, 87.7506
YIQ	182.5300, -84.3580, -24.0540

Conversions

Conversions Part 2

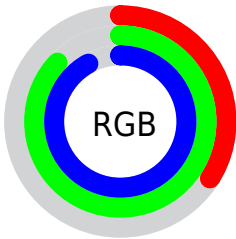
Format	Color
RYB	87, 157, 235
Decimal	5758443
CIELab	81.70, -32.04, -17.68
CIELCh	82, 36.595, 208.890
Yxy	59.7373, 0.2329, 0.3107
Android (android.graphics.Color)	4283948523 (0xFF57DDEB)
YUV	182.5300, 25.8677, -83.7798
Hunter-Lab	77.2899, -31.8410, -13.2116

Details

The Yxy color **59.7373, 0.2329, 0.3107** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.6480, 0.5048, 0.3435**, and the grayscale version is **46.9738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **30.1649, 0.2179, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **57.6228, 0.2259, 0.3074**, and if you desaturate by 10%, it is **62.2397, 0.2418, 0.3140**.

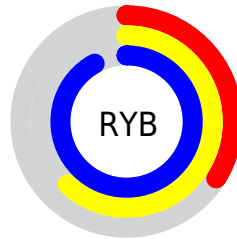
Distribution



Red (34%)

Green (87%)

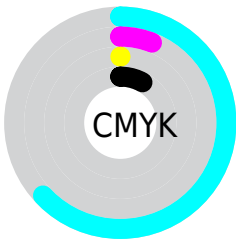
Blue (92%)



Red (34%)

Yellow (62%)

Blue (92%)

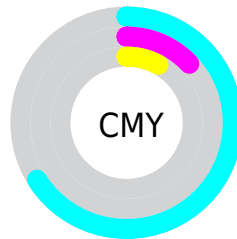


Cyan (63%)

Magenta (6%)

Yellow (0%)

Black (8%)



Cyan (66%)


Magenta (13%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7373, 0.2329, 0.3107 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 59.7373, 0.2329, 0.3107 by changing the saturation by 10% instead.

 59.7373, 0.2329,
0.3107


 59.7373, 0.2329,
0.3107


423.6288, 0.2699,
0.3206

 43.2069, 0.2245,
0.3081

 104.4485, 0.2457,
0.3144

 30.0475, 0.2142,
0.3047


 133.3981, 0.2507,
0.3158

 19.8746, 0.2012,
0.3000


 167.2562, 0.2550,
0.3169

 12.3040, 0.1844,
0.2935

 206.4073, 0.2588,
0.3179

 6.9510, 0.1622,
0.2837

251.2357, 0.2621,
0.3187

 3.4315, 0.1317,
0.2679

302.1258, 0.2650,

 1.3609, 0.0798,

0.3194

0.2421

359.4621, 0.2676,
0.3200

■ 0.1877, 0.0000,
0.1097

■ 0.0000, 0.0000,
0.0000

■ 59.7373, 0.2329,
0.3107

■ 59.7373, 0.2329,
0.3107

■ 57.6228, 0.2259,
0.3074

■ 62.2397, 0.2418,
0.3140

■ 55.8522, 0.2209,
0.3041

■ 65.1555, 0.2525,
0.3171


■ 54.3826, 0.2177,
0.3009


■ 68.5159, 0.2647,
0.3202


■ 53.4813, 0.2163,
0.2986


■ 72.3469, 0.2783,
0.3231

 76.6726, 0.2928,
0.3258

 81.5155, 0.3081,
0.3283

 86.8965, 0.3237,
0.3306

 88.8470, 0.3259,
0.3327

 90.1524, 0.3257,
0.3349

Harmonies

Analogous

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



59.7373, 0.2586, 0.3573



59.7373, 0.2329, 0.3107



59.7373, 0.2272, 0.2744

Triad

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



59.7373, 0.2329, 0.3107



59.7373, 0.3206, 0.2720



59.7373, 0.3856, 0.4036

Complementary

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



59.7373, 0.2329, 0.3107



27.6480, 0.5048, 0.3435

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.



59.7373, 0.4059, 0.3743



59.7373, 0.2329, 0.3107



59.7373, 0.3672, 0.3009

Square

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



59.7373, 0.2329, 0.3107



59.7373, 0.2749, 0.2557



59.7373, 0.3994, 0.3373



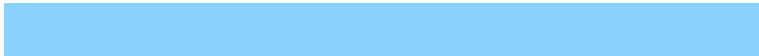
59.7373, 0.3462, 0.4143

Rectangle

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



59.7373, 0.2329, 0.3107



59.7373, 0.2348, 0.2599



59.7373, 0.3994, 0.3373



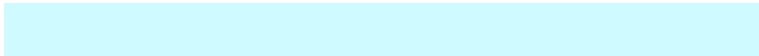
59.7373, 0.3950, 0.3954

Sweetspot

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



59.7395, 0.2329, 0.3107



89.0566, 0.2838, 0.3242



62.3378, 0.2985, 0.5183



18.7511, 0.2797, 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.



59.7395, 0.2329, 0.3107



68.6143, 0.2240, 0.3063



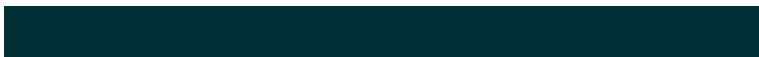
29.4092, 0.2090, 0.2075



16.8645, 0.2981, 0.3267



29.8733, 0.2164, 0.2992



2.4167, 0.2177, 0.3036

Inverse Universe

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



29.6953, 0.3339, 0.1955



30.7159, 0.3389, 0.1790



48.3566, 0.4433, 0.4205



15.2878, 0.3152, 0.3079



12.5085, 0.3462, 0.1681



0.9894, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 59.7373, 0.2329, 0.3107 looks on a white background.

Color Contrast Check

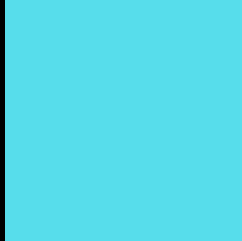
Large Text (above 18pt) WCAG AA × Fail

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 59.7373, 0.2329, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

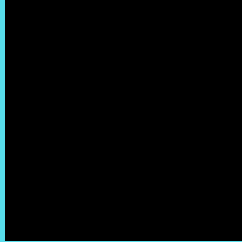
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7373, 0.2329, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 59.7373, 0.2329, 0.3107.



This preview shows how white text looks on a background with the Yxy color 59.7373, 0.2329, 0.3107.

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

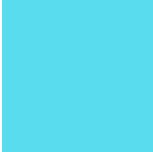
59.7373, 0.2329, 0.3107

Protanopia

58.7246, 0.2965, 0.3034

Deuteranopia

58.7803, 0.2867, 0.2806



Tritanopia

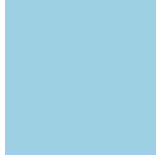
59.4833, 0.2320, 0.3056

Trichromacy



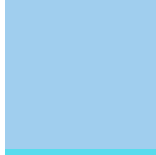
Original Color

59.7373, 0.2329, 0.3107



Protanomaly

57.9269, 0.2664, 0.3055



Deuteranomaly

57.7892, 0.2612, 0.2903



Tritanomaly

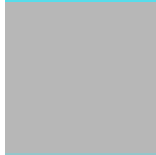
59.3755, 0.2321, 0.3069

Monochromacy



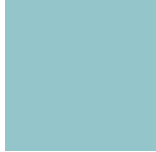
Original Color

59.7373, 0.2329, 0.3107



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.4927, 0.2734, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7373, 0.2329, 0.3107 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(87, 221, 235)` looks like.

```
.text, #text, p{  
    color:rgb(87, 221, 235)  
}
```

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(87, 221, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 221, 235) }
```

Border

The CSS property to change the border of an element to Yxy 59.7373, 0.2329, 0.3107 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(87, 221, 235) }
```

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

```
.border{ border-color:rgb(87, 221, 235) }
```

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

Here you see how a box with a 4 pixel rgb(87, 221, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 221, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 221, 235);  
box-shadow:4px 4px 4px 4px rgb(87, 221,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7373, 0.2329, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 221, 235) }
```

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

```
.background{ background-color: rgb(87, 221,  
235) }
```

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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