

Converting Colors

$Y_{xy}(59.6222, 0.2275, 0.3092)$

Have a look what the booklet for
Yxy(59.6222, 0.2275, 0.3092)
contains.

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Color

Yxy(59.6222, 0.2275, 0.3092)

Conversions

Conversions Part 1

Format	Color
Hex	45DEED
RGB	69, 222, 237
RGB Percent	27%, 87%, 93%
CMY	0.7291, 0.1294, 0.0705
CMYK	0.71, 0.06, 0.00, 0.07
HSL	185°, 82%, 60%
HSV	185°, 71%, 93%
XYZ	43.8682, 59.6222, 89.3369
YIQ	177.9630, -96.0030, -27.7710

Conversions

Conversions Part 2

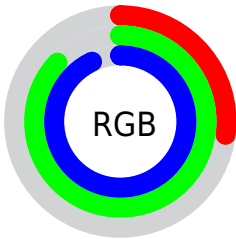
Format	Color
RYB	69, 149, 237
Decimal	4579053
CIELab	81.63, -34.43, -18.90
CIELCh	82, 39.275, 208.771
Yxy	59.6222, 0.2275, 0.3092
Android (android.graphics.Color)	4282769133 (0xFF45DEED)
YUV	177.9630, 29.1052, -95.5606
Hunter-Lab	77.2154, -33.7162, -14.5467

Details

The Yxy color **59.6222, 0.2275, 0.3092** 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 **24.7978, 0.5417, 0.3427**, and the grayscale version is **44.3946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **30.6086, 0.2175, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **57.8029, 0.2221, 0.3061**, and if you desaturate by 10%, it is **61.8061, 0.2348, 0.3123**.

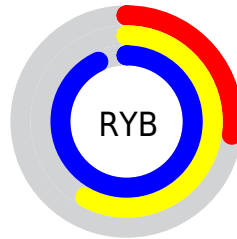
Distribution



Red (27%)

Green (87%)

Blue (93%)



Red (27%)

Yellow (58%)

Blue (93%)

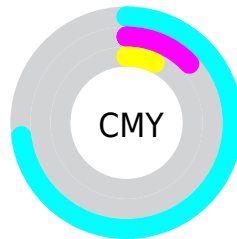


Cyan (71%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (73%)


Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6222, 0.2275, 0.3092 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 59.6222, 0.2275, 0.3092 by changing the saturation by 10% instead.

 59.6222, 0.2275,
0.3092


 59.6222, 0.2275,
0.3092


423.2038, 0.2669,
0.3200


 43.1142, 0.2186,
0.3063


 104.2814, 0.2411,
0.3133

 29.9747, 0.2077,
0.3026


 133.2014, 0.2464,
0.3147

 19.8194, 0.1940,
0.2976

 167.0276, 0.2510,
0.3160

 12.2638, 0.1764,
0.2904

 206.1442, 0.2550,
0.3170

 6.9236, 0.1533,
0.2797

250.9358, 0.2585,
0.3179

 3.4144, 0.1220,
0.2625

301.7866, 0.2616,

 1.3517, 0.0668,

0.3187

0.2352

359.0812, 0.2644,
0.3194

0.1807, 0.0000,
0.0997

0.0000, 0.0000,
0.0000

59.6222, 0.2275,
0.3092

59.6222, 0.2275,
0.3092

57.8029, 0.2221,
0.3061

61.8061, 0.2348,
0.3123


56.2976, 0.2186,
0.3030


64.3849, 0.2440,
0.3154


55.1320, 0.2167,
0.3003


67.3929, 0.2550,
0.3184

70.8589, 0.2675,
0.3212

 74.8090, 0.2813,
0.3240

 79.2676, 0.2960,
0.3265

 84.2571, 0.3114,
0.3288

 89.0899, 0.3246,
0.3309

 90.3392, 0.3244,
0.3330

Harmonies

Analogous

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



59.6222, 0.2548, 0.3596



59.6222, 0.2275, 0.3092



59.6222, 0.2215, 0.2704

Triad

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



59.6222, 0.2275, 0.3092



59.6222, 0.3208, 0.2681



59.6222, 0.3908, 0.4087

Complementary

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



59.6222, 0.2275, 0.3092



24.7978, 0.5417, 0.3427

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.



59.6222, 0.4127, 0.3768



59.6222, 0.2275, 0.3092



59.6222, 0.3711, 0.2987

Square

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



59.6222, 0.2275, 0.3092



59.6222, 0.2720, 0.2508



59.6222, 0.4058, 0.3373



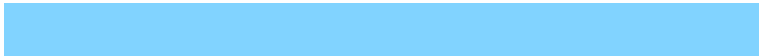
59.6222, 0.3485, 0.4208

Rectangle

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



59.6222, 0.2275, 0.3092



59.6222, 0.2295, 0.2551



59.6222, 0.4058, 0.3373



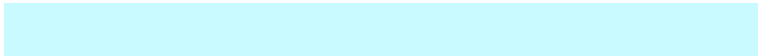
59.6222, 0.4009, 0.3996

Sweetspot

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



59.6244, 0.2275, 0.3092



88.2000, 0.2810, 0.3239



62.4781, 0.2978, 0.5421



18.5899, 0.2770, 0.3232



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.



59.6244, 0.2275, 0.3092



67.3979, 0.2204, 0.3047



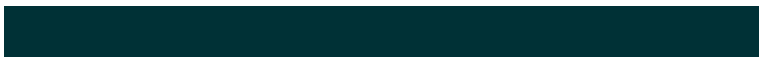
25.8660, 0.1976, 0.1894



16.8778, 0.2981, 0.3268



30.1928, 0.2169, 0.3008



2.4385, 0.2181, 0.3050

Inverse Universe

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



27.5489, 0.3360, 0.1842



28.6952, 0.3408, 0.1715



46.0953, 0.4621, 0.4274



15.2892, 0.3152, 0.3078



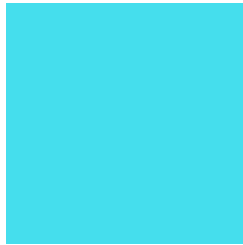
12.5408, 0.3447, 0.1673



0.9916, 0.3411, 0.1652

Previews

White Background



This preview shows how the Yxy color 59.6222, 0.2275, 0.3092 looks on a white background.

Color Contrast Check

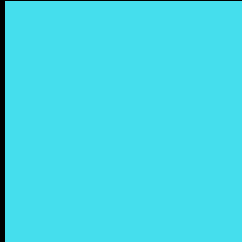
Large Text (above 18pt) WCAG AA × Fail

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 59.6222, 0.2275, 0.3092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

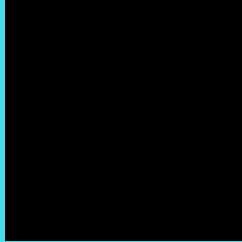
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.6222, 0.2275, 0.3092

Background



This preview shows how black text looks on a background with the Yxy color 59.6222, 0.2275, 0.3092.

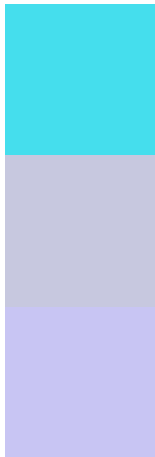


This preview shows how white text looks on a background with the Yxy color 59.6222, 0.2275, 0.3092.

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

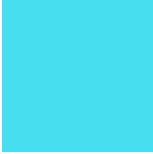
59.6222, 0.2275, 0.3092

Protanopia

58.7784, 0.2959, 0.3023

Deuteranopia

58.6829, 0.2834, 0.2773



Tritanopia

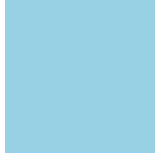
59.8734, 0.2268, 0.3055

Trichromacy



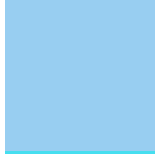
Original Color

59.6222, 0.2275, 0.3092



Protanomaly

57.3886, 0.2623, 0.3040



Deuteranomaly

57.1689, 0.2549, 0.2864



Tritanomaly

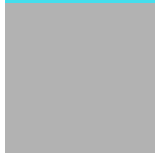
59.7766, 0.2270, 0.3067

Monochromacy



Original Color

59.6222, 0.2275, 0.3092



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.1104, 0.2683, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6222, 0.2275, 0.3092 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(69, 222, 237)` looks like.

```
.text, #text, p{  
    color:rgb(69, 222, 237)  
}
```

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(69, 222, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 222, 237) }
```

Border

The CSS property to change the border of an element to Yxy 59.6222, 0.2275, 0.3092 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(69, 222, 237) }
```

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

```
.border{ border-color:rgb(69, 222, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 222, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 222, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 222, 237);  
box-shadow:4px 4px 4px 4px rgb(69, 222,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6222, 0.2275, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 222, 237) }
```

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

```
.background{ background-color: rgb(69, 222,  
237) }
```

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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