

Converting Colors

$Y_{xy}(58.2874, 0.2251, 0.3159)$

Have a look what the booklet for
Yxy(58.2874, 0.2251, 0.3159)
contains.

Yxy(58.0633, 0.2249, 0.3154)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.0633, 0.2249, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	2EDDE7
RGB	46, 221, 231
RGB Percent	18%, 87%, 91%
CMY	0.8201, 0.1333, 0.0941
CMYK	0.80, 0.04, 0.00, 0.09
HSL	183°, 79%, 54%
HSV	183°, 80%, 91%
XYZ	41.4028, 58.0633, 84.6281
YIQ	169.8150, -107.5100, -33.9900

Conversions

Conversions Part 2

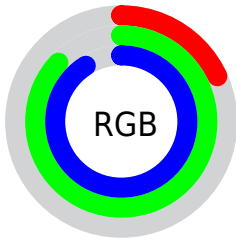
Format	Color
R _Y B	46, 136, 231
Decimal	3071463
CIE Lab	80.77, -38.10, -17.03
CIE LCh	81, 41.739, 204.086
Yxy	58.0633, 0.2249, 0.3154
Android (android.graphics.Color)	4281261543 (0xFF2EDDE7)
YUV	169.8150, 30.1642, -108.5858
Hunter-Lab	76.1993, -36.3610, -12.5089

Details

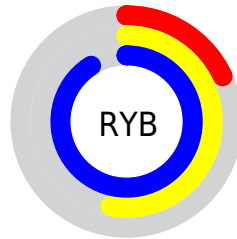
The Yxy color **58.0633, 0.2249, 0.3154** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **20.0024, 0.5863, 0.3364**, and the grayscale version is **39.9731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **30.0054, 0.2198, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **57.0107, 0.2217, 0.3136**, and if you desaturate by 10%, it is **59.4130, 0.2300, 0.3172**.

Distribution



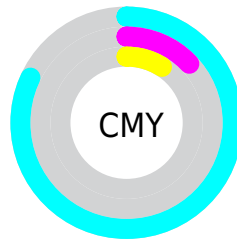
- Red (18%)
- Green (87%)
- Blue (91%)



- Red (18%)
- Yellow (53%)
- Blue (91%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)




- Cyan (82%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0633, 0.2249, 0.3154 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 58.0633, 0.2249, 0.3154 by changing the saturation by 10% instead.


 58.0633, 0.2249,
0.3154


 58.0633, 0.2249,
0.3154

417.4218, 0.2657,
0.3233

 41.8595, 0.2156,
0.3132

 102.0150, 0.2390,
0.3185

 28.9913, 0.2042,
0.3102


 130.5318, 0.2445,
0.3196

 19.0743, 0.1899,
0.3060


 163.9217, 0.2493,
0.3205

 11.7239, 0.1716,
0.2999

 202.5691, 0.2534,
0.3213

 6.5560, 0.1473,
0.2905

246.8584, 0.2571,
0.3219

 3.1860, 0.1144,
0.2747

297.1740, 0.2603,

 1.2296, 0.0418,

0.3225

353.9003, 0.2631,
0.3229

0.2526

0.0857, 0.0000,
0.0609

0.0000, 0.0000,
0.0000

58.0633, 0.2249,
0.3154

58.0633, 0.2249,
0.3154

57.0107, 0.2217,
0.3136

59.4130, 0.2300,
0.3172

56.1887, 0.2200,
0.3118

61.0941, 0.2370,
0.3191

63.1427, 0.2459,
0.3209

65.5888, 0.2566,
0.3227

68.4591, 0.2689,
0.3244

71.7781, 0.2825,
0.3260

75.5683, 0.2971,
0.3276

79.8508, 0.3125,
0.3290

84.6452, 0.3283,
0.3303

Harmonies

Analogous

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



58.0633, 0.2570, 0.3703



58.0633, 0.2249, 0.3154



58.0633, 0.2150, 0.2713

Triad

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



58.0633, 0.2249, 0.3154



58.0633, 0.3125, 0.2602



58.0633, 0.4014, 0.4096

Complementary

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



58.0633, 0.2249, 0.3154



20.0024, 0.5863, 0.3364

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.



58.0633, 0.4209, 0.3731



58.0633, 0.2249, 0.3154



58.0633, 0.3674, 0.2908

Square

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



58.0633, 0.2249, 0.3154



58.0633, 0.2620, 0.2445



58.0633, 0.4086, 0.3307



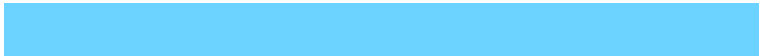
58.0633, 0.3586, 0.4275

Rectangle

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



58.0633, 0.2249, 0.3154



58.0633, 0.2212, 0.2530



58.0633, 0.4086, 0.3307



58.0633, 0.4111, 0.3988

Sweetspot

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



58.0654, 0.2249, 0.3154



88.0928, 0.2769, 0.3254



58.0092, 0.2990, 0.5708



18.5405, 0.2721, 0.3248



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.



58.0654, 0.2249, 0.3154



70.6610, 0.2205, 0.3125



22.0978, 0.1886, 0.1780



16.1960, 0.2982, 0.3277



31.5593, 0.2200, 0.3121



2.3731, 0.2208, 0.3147

Inverse Universe

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



24.1554, 0.3315, 0.1704



27.8792, 0.3345, 0.1626



38.2715, 0.4893, 0.4257



14.6011, 0.3146, 0.3071



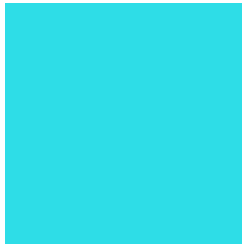
12.3837, 0.3349, 0.1618



0.9192, 0.3327, 0.1606

Previews

White Background



This preview shows how the Yxy color 58.0633, 0.2249, 0.3154 looks on a white background.

Color Contrast Check

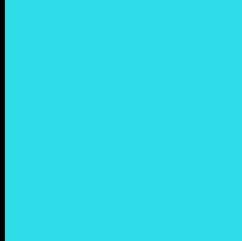
Large Text (above 18pt) WCAG AA × Fail

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 58.0633, 0.2249, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

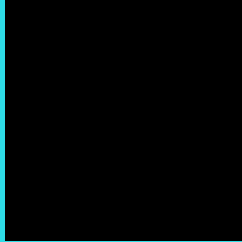
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.0633, 0.2249, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 58.0633, 0.2249, 0.3154.



This preview shows how white text looks on a background with the Yxy color 58.0633, 0.2249, 0.3154.

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

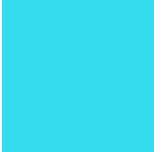
58.0633, 0.2249, 0.3154

Protanopia

56.7607, 0.2991, 0.3066

Deuteranopia

56.8401, 0.2864, 0.2800



Tritanopia

58.0895, 0.2229, 0.3051

Trichromacy



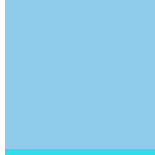
Original Color

58.0633, 0.2249, 0.3154



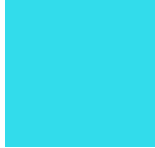
Protanomaly

55.1139, 0.2600, 0.3096



Deuteranomaly

55.0235, 0.2527, 0.2902



Tritanomaly

57.8627, 0.2237, 0.3089

Monochromacy



Original Color

58.0633, 0.2249, 0.3154



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.5609, 0.2634, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0633, 0.2249, 0.3154 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(46, 221, 231)` looks like.

```
.text, #text, p{  
    color:rgb(46, 221, 231)  
}
```

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(46, 221, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 221, 231) }
```

Border

The CSS property to change the border of an element to Yxy 58.0633, 0.2249, 0.3154 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(46, 221, 231) }
```

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

```
.border{ border-color:rgb(46, 221, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 221, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 221, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 221, 231);  
box-shadow:4px 4px 4px 4px rgb(46, 221,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0633, 0.2249, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 221, 231) }
```

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

```
.background{ background-color: rgb(46, 221,  
231) }
```

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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