

Converting Colors

$Y_{xy}(54.0895, 0.2252, 0.3045)$

Have a look what the booklet for
Yxy(54.0895, 0.2252, 0.3045)
contains.

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Color

Yxy(53.8243, 0.2252, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	3ED4E6
RGB	62, 212, 230
RGB Percent	24%, 83%, 90%
CMY	0.7570, 0.1686, 0.0982
CMYK	0.73, 0.08, 0.00, 0.10
HSL	186°, 77%, 57%
HSV	186°, 73%, 90%
XYZ	39.8070, 53.8243, 83.1316
YIQ	169.2020, -95.1780, -26.2020

Conversions

Conversions Part 2

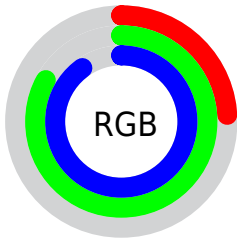
Format	Color
RYB	62, 141, 230
Decimal	4117734
CIELab	78.36, -32.63, -20.11
CIELCh	78, 38.328, 211.642
Yxy	53.8243, 0.2252, 0.3045
Android (android.graphics.Color)	4282307814 (0xFF3ED4E6)
YUV	169.2020, 29.9734, -94.0162
Hunter-Lab	73.3650, -31.5369, -15.8273

Details

The Yxy color **53.8243, 0.2252, 0.3045** 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 **22.8906, 0.5483, 0.3453**, and the grayscale version is **39.6597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **27.1699, 0.2162, 0.2982** is the 20% darker color. If you saturate the color by 10%, you get **52.0142, 0.2200, 0.3008**, and if you desaturate by 10%, it is **55.9713, 0.2323, 0.3082**.

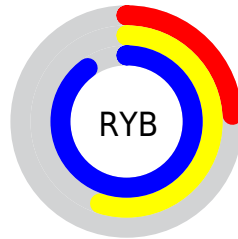
Distribution



Red (24%)

Green (83%)

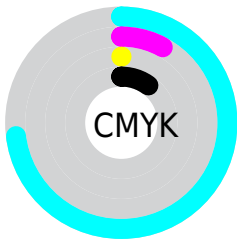
Blue (90%)



Red (24%)

Yellow (55%)

Blue (90%)

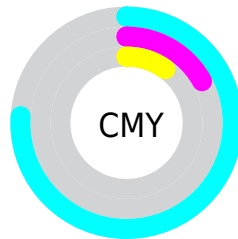


Cyan (73%)

Magenta (8%)

Yellow (0%)

Black (10%)



Cyan (76%)


Magenta (17%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8243, 0.2252, 0.3045 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 53.8243, 0.2252, 0.3045 by changing the saturation by 10% instead.

 53.8243, 0.2252,
0.3045


 53.8243, 0.2252,
0.3045


401.4397, 0.2663,
0.3178


 38.4612, 0.2158,
0.3010


 95.8162, 0.2395,
0.3095

 26.3408, 0.2041,
0.2963


 123.2138, 0.2451,
0.3113

 17.0788, 0.1894,
0.2901


 155.3918, 0.2499,
0.3129

 10.2907, 0.1704,
0.2811

 192.7344, 0.2540,
0.3141

 5.5921, 0.1451,
0.2677

235.6261, 0.2577,
0.3152

 2.5987, 0.1108,
0.2459

284.4513, 0.2609,

 0.9260, 0.0194,

0.3162

0.2169

339.5943, 0.2638,
0.3170

0.0000, 0.0000,
0.0000

53.8243, 0.2252,
0.3045

53.8243, 0.2252,
0.3045

52.0142, 0.2200,
0.3008

55.9713, 0.2323,
0.3082

50.4923, 0.2167,
0.2971

58.4846, 0.2414,
0.3119


49.5596, 0.2152,
0.2945


61.3969, 0.2522,
0.3156


64.7356, 0.2645,
0.3190

68.5256, 0.2781,
0.3223

 72.7896, 0.2927,
0.3254

 77.5491, 0.3080,
0.3282

 82.8238, 0.3236,
0.3308

 85.8944, 0.3296,
0.3332

Harmonies

Analogous

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



53.8243, 0.2507, 0.3549



53.8243, 0.2252, 0.3045



53.8243, 0.2212, 0.2671

Triad

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



53.8243, 0.2252, 0.3045



53.8243, 0.3259, 0.2700



53.8243, 0.3881, 0.4116

Complementary

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



53.8243, 0.2252, 0.3045



22.8906, 0.5483, 0.3453

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.



53.8243, 0.4127, 0.3808



53.8243, 0.2252, 0.3045



53.8243, 0.3759, 0.3019

Square

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



53.8243, 0.2252, 0.3045



53.8243, 0.2758, 0.2511



53.8243, 0.4088, 0.3412



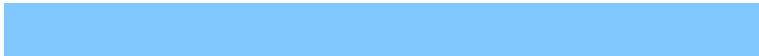
53.8243, 0.3441, 0.4215

Rectangle

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



53.8243, 0.2252, 0.3045



53.8243, 0.2307, 0.2529



53.8243, 0.4088, 0.3412



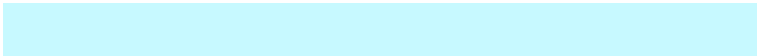
53.8243, 0.3990, 0.4030

Sweetspot

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



53.8263, 0.2252, 0.3045



87.1016, 0.2795, 0.3226



58.1611, 0.2967, 0.5449



18.3480, 0.2756, 0.3217



0.0000, 0.0000, 0.0000



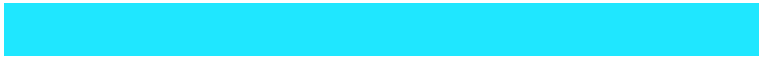
21.4041, 0.3127, 0.3290

Same Dimension

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



53.8263, 0.2252, 0.3045



64.6635, 0.2180, 0.2987



22.4774, 0.1938, 0.1805



16.0593, 0.2982, 0.3264



28.1749, 0.2153, 0.2951



2.1579, 0.2168, 0.3005

Inverse Universe

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



25.0126, 0.3401, 0.1840



27.9894, 0.3462, 0.1726



43.2765, 0.4642, 0.4316



14.5873, 0.3154, 0.3083



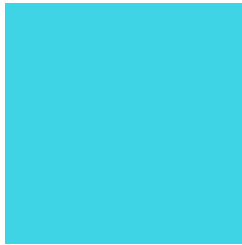
12.0420, 0.3497, 0.1700



0.8975, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 53.8243, 0.2252, 0.3045 looks on a white background.

Color Contrast Check

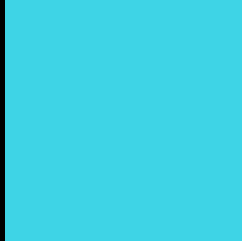
Large Text (above 18pt) WCAG AA × Fail

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 53.8243, 0.2252, 0.3045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

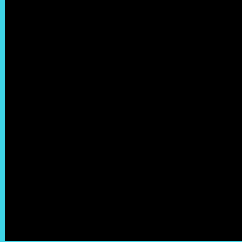
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.8243, 0.2252, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 53.8243, 0.2252, 0.3045.



This preview shows how white text looks on a background with the Yxy color 53.8243, 0.2252, 0.3045.

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

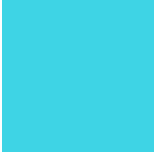
53.8243, 0.2252, 0.3045

Protanopia

53.0383, 0.2930, 0.2988

Deuteranopia

52.7834, 0.2801, 0.2739



Tritanopia

53.7682, 0.2256, 0.3057

Trichromacy



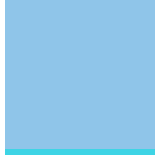
Original Color

53.8243, 0.2252, 0.3045



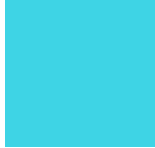
Protanomaly

51.9069, 0.2593, 0.3004



Deuteranomaly

51.6553, 0.2524, 0.2834



Tritanomaly

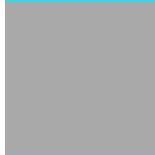
53.7682, 0.2256, 0.3057

Monochromacy



Original Color

53.8243, 0.2252, 0.3045



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.2053, 0.2666, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8243, 0.2252, 0.3045 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(62, 212, 230)` looks like.

```
.text, #text, p{  
    color:rgb(62, 212, 230)  
}
```

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(62, 212, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 212, 230) }
```

Border

The CSS property to change the border of an element to Yxy 53.8243, 0.2252, 0.3045 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(62, 212, 230) }
```

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

```
.border{ border-color:rgb(62, 212, 230) }
```

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

Here you see how a box with a 4 pixel rgb(62, 212, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 212, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 212, 230);  
box-shadow:4px 4px 4px 4px rgb(62, 212,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8243, 0.2252, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 212, 230) }
```

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

```
.background{ background-color: rgb(62, 212,  
230) }
```

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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