

Converting Colors

$Yxy(55.3134, 0.2685, 0.3585)$

Have a look what the booklet for
Yxy(55.3134, 0.2685, 0.3585)
contains.

Yxy(55.2085, 0.2682, 0.3576)	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(55.2085, 0.2682, 0.3576)

Conversions

Conversions Part 1

Format	Color
Hex	7DD4BF
RGB	125, 212, 191
RGB Percent	49%, 83%, 75%
CMY	0.5098, 0.1686, 0.2509
CMYK	0.41, 0.00, 0.10, 0.17
HSL	166°, 50%, 66%
HSV	166°, 41%, 83%
XYZ	41.4064, 55.2085, 57.7713
YIQ	183.5930, -45.1110, -24.9750

Conversions

Conversions Part 2

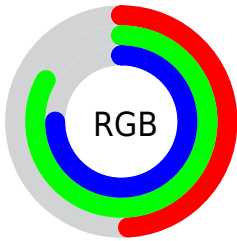
Format	Color
RYB	125, 174, 212
Decimal	8246463
CIELab	79.16, -31.14, 2.16
CIELCh	79, 31.217, 176.035
Yxy	55.2085, 0.2682, 0.3576
Android (android.graphics.Color)	4286436543 (0xFF7DD4BF)
YUV	183.5930, 3.6517, -51.3861
Hunter-Lab	74.3024, -30.5569, 5.9128

Details

The Yxy color **55.2085, 0.2682, 0.3576** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.7414, 0.3911, 0.3030**, and the grayscale version is **47.6970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0592, 0.2745, 0.3375**, and **27.2141, 0.2560, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **53.5604, 0.2602, 0.3659**, and if you desaturate by 10%, it is **57.2094, 0.2776, 0.3497**.

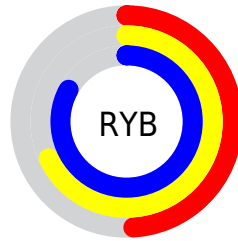
Distribution



Red (49%)

Green (83%)

Blue (75%)



Red (49%)

Yellow (68%)

Blue (83%)

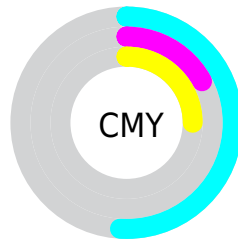


Cyan (41%)

Magenta (0%)

Yellow (10%)

Black (17%)



Cyan (51%)

Magenta (17%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2085, 0.2682, 0.3576 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 55.2085, 0.2682, 0.3576 by changing the saturation by 10% instead.


 55.2085, 0.2682,
0.3576

 55.2085, 0.2682,
0.3576

406.7018, 0.2898,
0.3436


 39.5687, 0.2630,
0.3610

 97.8464, 0.2759,
0.3526

 27.2024, 0.2564,
0.3653


 125.6132, 0.2789,
0.3507

 17.7253, 0.2479,
0.3710


 158.1912, 0.2814,
0.3491

 10.7529, 0.2363,
0.3788

195.9647, 0.2835,
0.3477

 5.9010, 0.2197,
0.3900

239.3181, 0.2854,
0.3464

 2.7850, 0.1943,
0.4076

288.6358, 0.2870,

 1.0205, 0.0936,

0.3454

0.4686

344.3023, 0.2885,
0.3444

0.0000, 0.0000,
0.0000

55.2085, 0.2682,
0.3576

55.2085, 0.2682,
0.3576

53.5604, 0.2602,
0.3659

57.2094, 0.2776,
0.3497

52.2365, 0.2538,
0.3746

59.5764, 0.2882,
0.3424

51.2146, 0.2493,
0.3835


62.3303, 0.2996,
0.3357

50.4666, 0.2468,
0.3925


65.4883, 0.3115,
0.3296


49.9592, 0.2463,
0.4015


69.0665, 0.3237,
0.3241

 49.6561, 0.2471,
0.4094

 73.0803, 0.3359,
0.3192

 73.8840, 0.3343,
0.3142

 74.1703, 0.3307,
0.3091

 74.4652, 0.3270,
0.3041

Harmonies

Analogous

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



55.2085, 0.3055, 0.3908



55.2085, 0.2682, 0.3576



55.2085, 0.2437, 0.3171

Triad

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



55.2085, 0.2682, 0.3576



55.2085, 0.2762, 0.2634



55.2085, 0.3949, 0.3667

Complementary

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



55.2085, 0.2682, 0.3576



30.7414, 0.3911, 0.3030

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.



55.2085, 0.3867, 0.3336



55.2085, 0.2682, 0.3576



55.2085, 0.3158, 0.2765

Square

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



55.2085, 0.2682, 0.3576



55.2085, 0.2482, 0.2653



55.2085, 0.3570, 0.3016



55.2085, 0.3795, 0.3930

Rectangle

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



55.2085, 0.2682, 0.3576



55.2085, 0.2370, 0.2934



55.2085, 0.3570, 0.3016



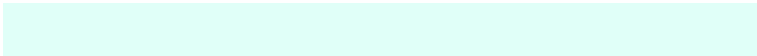
55.2085, 0.3949, 0.3560

Sweetspot

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



55.2107, 0.2682, 0.3576



94.1849, 0.2983, 0.3364



54.7493, 0.3219, 0.4492



20.0357, 0.2967, 0.3373



0.0000, 0.0000, 0.0000



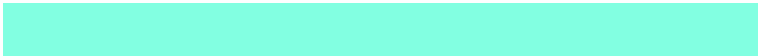
21.4041, 0.3127, 0.3290

Same Dimension

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



55.2107, 0.2682, 0.3576



81.6981, 0.2613, 0.3646



46.0508, 0.2520, 0.2990



14.0543, 0.3014, 0.3347



30.6710, 0.2467, 0.4082



1.8625, 0.2424, 0.3928

Inverse Universe

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



30.7414, 0.3911, 0.3030



39.7835, 0.4165, 0.2981



36.2697, 0.4054, 0.3565



12.4694, 0.3254, 0.3234



8.8027, 0.5944, 0.3048



0.5441, 0.5446, 0.2774

Previews

White Background



This preview shows how the Yxy color 55.2085, 0.2682, 0.3576 looks on a white background.

Color Contrast Check

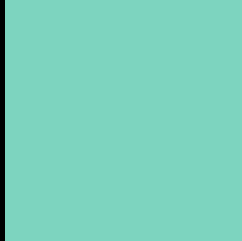
Large Text (above 18pt) WCAG AA × Fail

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 55.2085, 0.2682, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

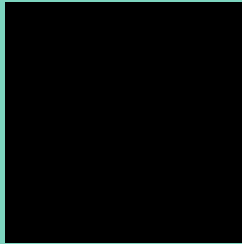
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

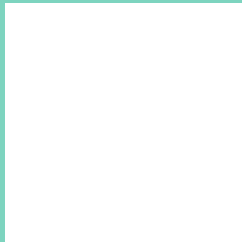
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2085, 0.2682, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 55.2085, 0.2682, 0.3576.



This preview shows how white text looks on a background with the Yxy color 55.2085, 0.2682, 0.3576.

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

55.2085, 0.2682, 0.3576

Protanopia

54.4763, 0.3291, 0.3449

Deuteranopia

54.5268, 0.3272, 0.3208



Tritanopia

55.0758, 0.2541, 0.3070

Trichromacy



Original Color

55.2085, 0.2682, 0.3576



Protanomaly

54.2747, 0.3033, 0.3496



Deuteranomaly

53.6513, 0.3024, 0.3328



Tritanomaly

55.1797, 0.2593, 0.3249

Monochromacy



Original Color

55.2085, 0.2682, 0.3576



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

49.9580, 0.2936, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2085, 0.2682, 0.3576 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(125, 212, 191)` looks like.

```
.text, #text, p{  
    color:rgb(125, 212, 191)  
}
```

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(125, 212, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 212, 191) }
```

Border

The CSS property to change the border of an element to Yxy 55.2085, 0.2682, 0.3576 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(125, 212, 191) }
```

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

```
.border{ border-color:rgb(125, 212, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 212, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 212, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 212, 191);  
box-shadow:4px 4px 4px 4px rgb(125, 212,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2085, 0.2682, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 212, 191) }
```

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

```
.background{ background-color: rgb(125,  
212, 191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor