

Converting Colors

$Y_{xy}(55.6311, 0.2654, 0.3660)$

Have a look what the booklet for
Yxy(55.6311, 0.2654, 0.3660)
contains.

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Color

Yxy(55.3688, 0.2649, 0.3650)

Conversions

Conversions Part 1

Format	Color
Hex	73D6BC
RGB	115, 214, 188
RGB Percent	45%, 84%, 74%
CMY	0.5494, 0.1607, 0.2628
CMYK	0.46, 0.00, 0.12, 0.16
HSL	164°, 55%, 64%
HSV	164°, 46%, 84%
XYZ	40.1841, 55.3688, 56.1424
YIQ	181.4350, -50.6580, -29.0740

Conversions

Conversions Part 2

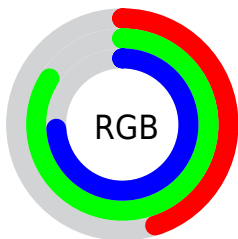
Format	Color
RYB	115, 172, 214
Decimal	7591612
CIELab	79.25, -35.31, 3.85
CIELCh	79, 35.516, 173.771
Yxy	55.3688, 0.2649, 0.3650
Android (android.graphics.Color)	4285781692 (0xFF73D6BC)
YUV	181.4350, 3.2365, -58.2635
Hunter-Lab	74.4102, -33.8217, 7.3529

Details

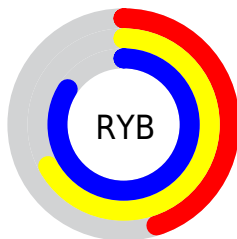
The Yxy color **55.3688, 0.2649, 0.3650** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.4604, 0.4038, 0.2972**, and the grayscale version is **46.4481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8223, 0.2714, 0.3410**, and **27.4154, 0.2525, 0.3750** is the 20% darker color. If you saturate the color by 10%, you get **53.8484, 0.2579, 0.3743**, and if you desaturate by 10%, it is **57.2397, 0.2734, 0.3561**.

Distribution



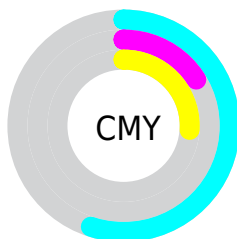
- Red (45%)
- Green (84%)
- Blue (74%)



- Red (45%)
- Yellow (67%)
- Blue (84%)



- Cyan (46%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)



- Cyan (55%)
- Magenta (16%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3688, 0.2649, 0.3650 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 55.3688, 0.2649, 0.3650 by changing the saturation by 10% instead.


 55.3688, 0.2649,
0.3650


 55.3688, 0.2649,
0.3650


407.3084, 0.2882,
0.3472

 39.6971, 0.2593,
0.3694


 98.0811, 0.2732,
0.3586

 27.3024, 0.2522,
0.3749


 125.8905, 0.2764,
0.3562

 17.8005, 0.2429,
0.3822


 158.5145, 0.2791,
0.3541

 10.8068, 0.2304,
0.3923

196.3376, 0.2814,
0.3524

 5.9371, 0.2125,
0.4069

239.7441, 0.2834,
0.3508

 2.8069, 0.1850,
0.4302

289.1185, 0.2852,

 1.0318, 0.0562,

0.3495

0.5186

344.8451, 0.2868,
0.3483

0.0000, 0.0000,
0.0000

55.3688, 0.2649,
0.3650

55.3688, 0.2649,
0.3650

53.8484, 0.2579,
0.3743

57.2397, 0.2734,
0.3561

52.6481, 0.2527,
0.3840

59.4761, 0.2832,
0.3478

51.7434, 0.2494,
0.3939


62.0997, 0.2939,
0.3401


51.1029, 0.2481,
0.4038


65.1289, 0.3053,
0.3331


50.6872, 0.2487,
0.4136

68.5809, 0.3171,
0.3267

 50.5643, 0.2492,
0.4172

 72.4716, 0.3290,
0.3211

 74.9260, 0.3337,
0.3157

 75.2420, 0.3297,
0.3102

 75.5682, 0.3258,
0.3047

Harmonies

Analogous

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



55.3688, 0.3076, 0.4020



55.3688, 0.2649, 0.3650



55.3688, 0.2363, 0.3183

Triad

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



55.3688, 0.2649, 0.3650



55.3688, 0.2684, 0.2548



55.3688, 0.4063, 0.3681

Complementary

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



55.3688, 0.2649, 0.3650



28.4604, 0.4038, 0.2972

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.



55.3688, 0.3952, 0.3308



55.3688, 0.2649, 0.3650



55.3688, 0.3123, 0.2684

Square

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



55.3688, 0.2649, 0.3650



55.3688, 0.2383, 0.2579



55.3688, 0.3597, 0.2955



55.3688, 0.3903, 0.3993

Rectangle

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



55.3688, 0.2649, 0.3650



55.3688, 0.2279, 0.2909



55.3688, 0.3597, 0.2955



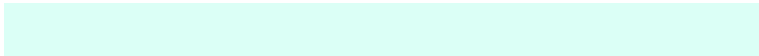
55.3688, 0.4057, 0.3559

Sweetspot

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



55.3710, 0.2649, 0.3650



93.2576, 0.2964, 0.3385



55.0298, 0.3235, 0.4663



19.7621, 0.2939, 0.3401



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.



55.3710, 0.2649, 0.3650



80.0140, 0.2578, 0.3746



45.7090, 0.2455, 0.2969



14.0496, 0.3017, 0.3352



30.5753, 0.2488, 0.4157



1.8574, 0.2441, 0.3988

Inverse Universe

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



28.4604, 0.4038, 0.2972



35.0847, 0.4365, 0.2915



33.7211, 0.4236, 0.3578



12.4738, 0.3250, 0.3229



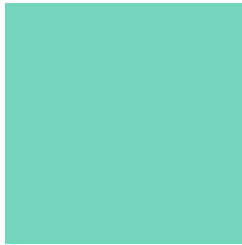
8.8295, 0.5876, 0.3011



0.5462, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 55.3688, 0.2649, 0.3650 looks on a white background.

Color Contrast Check

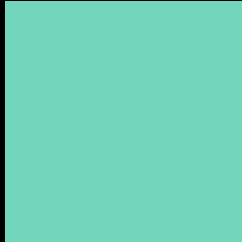
Large Text (above 18pt) WCAG AA × Fail

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 55.3688, 0.2649, 0.3650 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

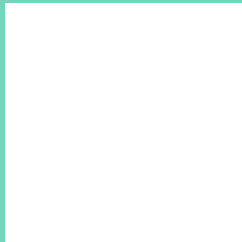
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.3688, 0.2649, 0.3650

Background



This preview shows how black text looks on a background with the Yxy color 55.3688, 0.2649, 0.3650.

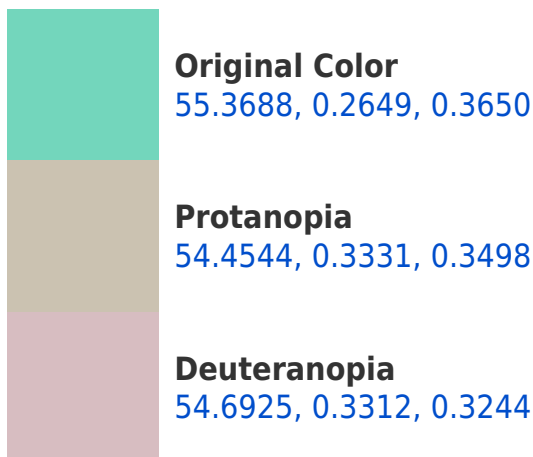


This preview shows how white text looks on a background with the Yxy color 55.3688, 0.2649, 0.3650.

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





Tritanopia

55.3971, 0.2494, 0.3081

Trichromacy



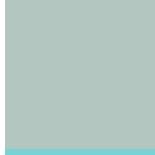
Original Color

55.3688, 0.2649, 0.3650



Protanomaly

53.7674, 0.3039, 0.3550



Deuteranomaly

53.7335, 0.3030, 0.3379



Tritanomaly

55.4069, 0.2545, 0.3275

Monochromacy



Original Color

55.3688, 0.2649, 0.3650



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.7687, 0.2912, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3688, 0.2649, 0.3650 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(115, 214, 188)` looks like.

```
.text, #text, p{  
    color:rgb(115, 214, 188)  
}
```

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(115, 214, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 214, 188) }
```

Border

The CSS property to change the border of an element to Yxy 55.3688, 0.2649, 0.3650 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(115, 214, 188) }
```

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

```
.border{ border-color:rgb(115, 214, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 214, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 214, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 214, 188);  
box-shadow:4px 4px 4px 4px rgb(115, 214,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3688, 0.2649, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 214, 188) }
```

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

```
.background{ background-color: rgb(115,  
214, 188) }
```

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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