

Converting Colors

$Yxy(55.4507, 0.2530, 0.3288)$

Have a look what the booklet for
Yxy(55.4507, 0.2530, 0.3288)
contains.

Yxy(55.6223, 0.2528, 0.3288)	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(55.6223, 0.2528, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	75D4D4
RGB	117, 212, 212
RGB Percent	46%, 83%, 83%
CMY	0.5411, 0.1686, 0.1686
CMYK	0.45, 0.00, 0.00, 0.17
HSL	180°, 52%, 65%
HSV	180°, 45%, 83%
XYZ	42.7656, 55.6223, 70.7797
YIQ	183.5950, -56.6200, -20.1400

Conversions

Conversions Part 2

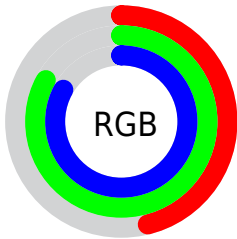
Format	Color
RYB	117, 165, 212
Decimal	7722196
CIELab	79.40, -28.06, -8.77
CIELCh	79, 29.401, 197.360
Yxy	55.6223, 0.2528, 0.3288
Android (android.graphics.Color)	4285912276 (0xFF75D4D4)
YUV	183.5950, 14.0037, -58.4038
Hunter-Lab	74.5804, -28.1609, -4.0623

Details

The Yxy color **55.6223, 0.2528, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.0133, 0.4319, 0.3294**, and the grayscale version is **47.6455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **27.4181, 0.2378, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **54.3165, 0.2435, 0.3288**, and if you desaturate by 10%, it is **57.2650, 0.2638, 0.3288**.

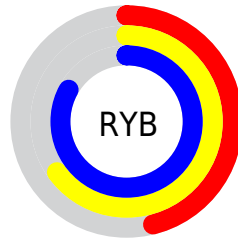
Distribution



Red (46%)

Green (83%)

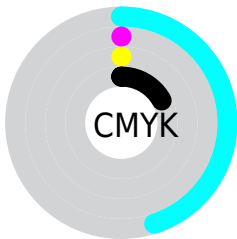
Blue (83%)



Red (46%)

Yellow (65%)

Blue (83%)

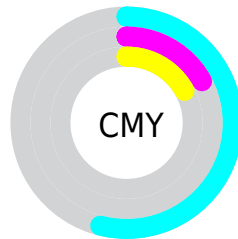


Cyan (45%)

Magenta (0%)

Yellow (0%)

Black (17%)



Cyan (54%)


Magenta (17%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6223, 0.2528, 0.3288 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 55.6223, 0.2528, 0.3288 by changing the saturation by 10% instead.


 55.6223, 0.2528,
0.3288

 55.6223, 0.2528,
0.3288


408.2665, 0.2813,
0.3295

 39.9002, 0.2461,
0.3285


 98.4521, 0.2629,
0.3292

 27.4607, 0.2377,
0.3279


 126.3286, 0.2667,
0.3293

 17.9195, 0.2270,
0.3271


 159.0254, 0.2700,
0.3294

 10.8922, 0.2127,
0.3257

196.9267, 0.2729,
0.3294

 5.9944, 0.1930,
0.3231

240.4171, 0.2754,
0.3295

 2.8417, 0.1642,
0.3179

289.8810, 0.2776,

 1.0496, 0.0913,

0.3295

0.3152

345.7027, 0.2796,
0.3295

0.0000, 0.0000,
0.0000

55.6223, 0.2528,
0.3288

55.6223, 0.2528,
0.3288

54.3165, 0.2435,
0.3288

57.2650, 0.2638,
0.3288

53.3183, 0.2361,
0.3287

59.2587, 0.2765,
0.3289

52.6044, 0.2307,
0.3287


61.6246, 0.2904,
0.3289


52.1450, 0.2271,
0.3287


64.3801, 0.3053,
0.3290


51.9040, 0.2252,
0.3287


67.5418, 0.3209,
0.3290

 51.8319, 0.2246,
0.3287

 71.1252, 0.3369,
0.3291

 73.1142, 0.3451,
0.3291

 73.1160, 0.3451,
0.3291

 73.1177, 0.3451,
0.3291

Harmonies

Analogous

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



55.6223, 0.2801, 0.3662



55.6223, 0.2528, 0.3288



55.6223, 0.2411, 0.2944

Triad

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



55.6223, 0.2528, 0.3288



55.6223, 0.3043, 0.2745



55.6223, 0.3818, 0.3834

Complementary

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



55.6223, 0.2528, 0.3288



28.0133, 0.4319, 0.3294

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.



55.6223, 0.3900, 0.3560



55.6223, 0.2528, 0.3288



55.6223, 0.3437, 0.2954

Square

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



55.6223, 0.2528, 0.3288



55.6223, 0.2694, 0.2660



55.6223, 0.3759, 0.3244



55.6223, 0.3546, 0.3981

Rectangle

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



55.6223, 0.2528, 0.3288



55.6223, 0.2431, 0.2781



55.6223, 0.3759, 0.3244



55.6223, 0.3869, 0.3752

Sweetspot

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



55.6245, 0.2528, 0.3288



94.2424, 0.2928, 0.3289



52.1628, 0.3062, 0.4684



19.9847, 0.2896, 0.3289



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.



55.6245, 0.2528, 0.3288



82.5280, 0.2437, 0.3288



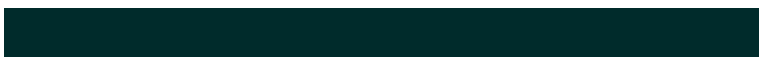
35.2725, 0.2410, 0.2608



14.1075, 0.2983, 0.3290



31.9929, 0.2246, 0.3287



1.9298, 0.2246, 0.3287

Inverse Universe

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



31.4784, 0.3178, 0.2204



41.2711, 0.3188, 0.2003



42.0196, 0.4035, 0.3877



12.6327, 0.3138, 0.3060



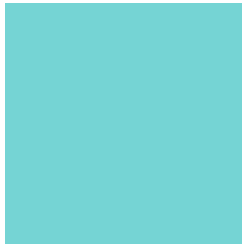
11.5746, 0.3210, 0.1542



0.6981, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 55.6223, 0.2528, 0.3288 looks on a white background.

Color Contrast Check

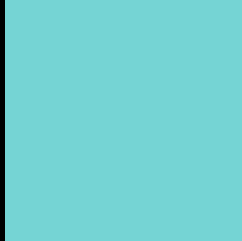
Large Text (above 18pt) WCAG AA × Fail

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 55.6223, 0.2528, 0.3288 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 55.6223, 0.2528, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 55.6223, 0.2528, 0.3288.



This preview shows how white text looks on a background with the Yxy color 55.6223, 0.2528, 0.3288.

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

55.6223, 0.2528, 0.3288

Protanopia

55.1176, 0.3099, 0.3218

Deuteranopia

54.8158, 0.3046, 0.2976



Tritanopia

55.7042, 0.2467, 0.3068

Trichromacy



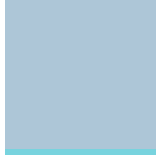
Original Color

55.6223, 0.2528, 0.3288



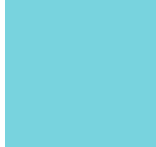
Protanomaly

54.5059, 0.2855, 0.3239



Deuteranomaly

54.1787, 0.2823, 0.3078



Tritanomaly

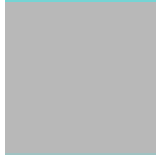
55.8555, 0.2490, 0.3144

Monochromacy



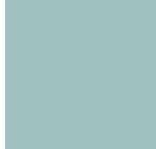
Original Color

55.6223, 0.2528, 0.3288



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

49.9522, 0.2866, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6223, 0.2528, 0.3288 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(117, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(117, 212, 212)  
}
```

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(117, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 212, 212) }
```

Border

The CSS property to change the border of an element to Yxy 55.6223, 0.2528, 0.3288 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(117, 212, 212) }
```

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

```
.border{ border-color:rgb(117, 212, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 212, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(117, 212,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6223, 0.2528, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 212, 212) }
```

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

```
.background{ background-color: rgb(117,  
212, 212) }
```

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