

Converting Colors

$Yxy(54.7103, 0.2583, 0.3411)$

Have a look what the booklet for
Yxy(54.7103, 0.2583, 0.3411)
contains.

Yxy(54.7044, 0.2583, 0.3411)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.7044, 0.2583, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	76D3CA
RGB	118, 211, 202
RGB Percent	46%, 83%, 79%
CMY	0.5372, 0.1725, 0.2079
CMYK	0.44, 0.00, 0.04, 0.17
HSL	174°, 51%, 65%
HSV	174°, 44%, 83%
XYZ	41.4252, 54.7044, 64.2468
YIQ	182.1670, -52.5390, -22.5150

Conversions

Conversions Part 2

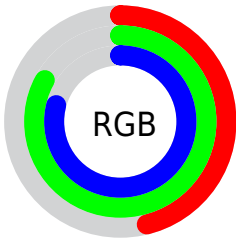
Format	Color
R _{YB}	118, 167, 211
Decimal	7787466
CIE Lab	78.87, -29.83, -4.18
CIE LCh	79, 30.124, 187.974
Yxy	54.7044, 0.2583, 0.3411
Android (android.graphics.Color)	4285977546 (0xFF76D3CA)
YUV	182.1670, 9.7777, -56.2745
Hunter-Lab	73.9624, -29.4591, 0.2720

Details

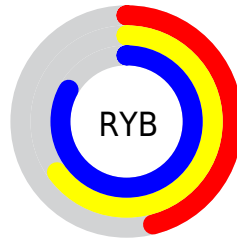
The Yxy color **54.7044, 0.2583, 0.3411** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3400, 0.4172, 0.3180**, and the grayscale version is **46.8431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **26.8757, 0.2443, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **53.2946, 0.2496, 0.3443**, and if you desaturate by 10%, it is **56.4502, 0.2687, 0.3380**.

Distribution



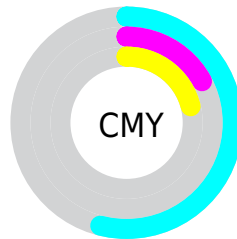
- Red (46%)
- Green (83%)
- Blue (79%)



- Red (46%)
- Yellow (65%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (17%)





- Cyan (54%)
- Magenta (17%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7044, 0.2583, 0.3411 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 54.7044, 0.2583, 0.3411 by changing the saturation by 10% instead.


 54.7044, 0.2583,
0.3411


 54.7044, 0.2583,
0.3411


404.7904, 0.2845,
0.3356


 39.1651, 0.2521,
0.3423


 97.1077, 0.2676,
0.3392

 26.8882, 0.2443,
0.3438


 124.7405, 0.2711,
0.3385

 17.4893, 0.2342,
0.3457


 157.1733, 0.2742,
0.3378

 10.5839, 0.2207,
0.3480

194.7904, 0.2768,
0.3373

 5.7878, 0.2018,
0.3509

237.9763, 0.2791,
0.3368

 2.7165, 0.1735,
0.3544

287.1154, 0.2811,

 0.9856, 0.0786,

0.3363

0.3777

342.5919, 0.2829,
0.3359

0.0000, 0.0000,
0.0000

54.7044, 0.2583,
0.3411

54.7044, 0.2583,
0.3411

53.2946, 0.2496,
0.3443

56.4502, 0.2687,
0.3380

52.1920, 0.2427,
0.3476

58.5457, 0.2804,
0.3351

51.3737, 0.2377,
0.3509


61.0118, 0.2933,
0.3324


50.8108, 0.2347,
0.3543


63.8657, 0.3070,
0.3299


50.4682, 0.2334,
0.3575

67.1237, 0.3212,
0.3277

 50.3329, 0.2332,
0.3595

 70.8010, 0.3357,
0.3257

 72.8246, 0.3421,
0.3237

 72.9312, 0.3406,
0.3216

 73.0392, 0.3391,
0.3196

Harmonies

Analogous

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



54.7044, 0.2904, 0.3778



54.7044, 0.2583, 0.3411



54.7044, 0.2409, 0.3033

Triad

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



54.7044, 0.2583, 0.3411



54.7044, 0.2918, 0.2688



54.7044, 0.3889, 0.3770

Complementary

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



54.7044, 0.2583, 0.3411



28.3400, 0.4172, 0.3180

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.



54.7044, 0.3903, 0.3466



54.7044, 0.2583, 0.3411



54.7044, 0.3321, 0.2866

Square

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



54.7044, 0.2583, 0.3411



54.7044, 0.2593, 0.2646



54.7044, 0.3690, 0.3143



54.7044, 0.3662, 0.3973

Rectangle

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



54.7044, 0.2583, 0.3411



54.7044, 0.2392, 0.2836



54.7044, 0.3690, 0.3143



54.7044, 0.3919, 0.3676

Sweetspot

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



54.7066, 0.2583, 0.3411



94.0407, 0.2945, 0.3322



52.4343, 0.3124, 0.4632



19.9343, 0.2915, 0.3328



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.



54.7066, 0.2583, 0.3411



81.9073, 0.2500, 0.3441



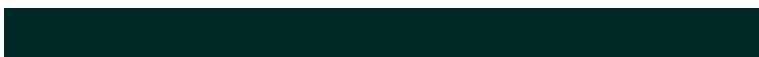
38.7517, 0.2445, 0.2760



13.3865, 0.2996, 0.3312



30.3828, 0.2331, 0.3590



1.7047, 0.2314, 0.3529

Inverse Universe

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



28.3400, 0.4172, 0.3180



36.3489, 0.4538, 0.3162



38.6683, 0.4069, 0.3756



11.8266, 0.3276, 0.3268



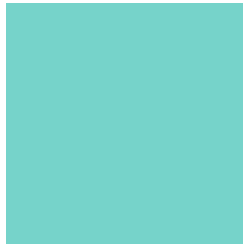
8.3961, 0.6280, 0.3233



0.4760, 0.5947, 0.3050

Previews

White Background



This preview shows how the Yxy color 54.7044, 0.2583, 0.3411 looks on a white background.

Color Contrast Check

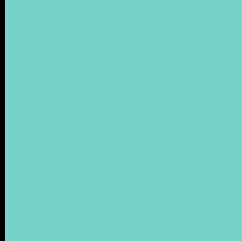
Large Text (above 18pt) WCAG AA × Fail

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 54.7044, 0.2583, 0.3411 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

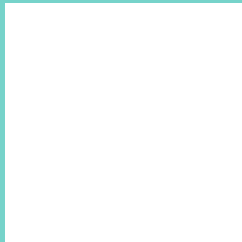
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.7044, 0.2583, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 54.7044, 0.2583, 0.3411.

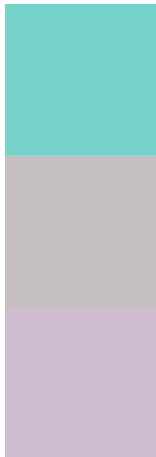


This preview shows how white text looks on a background with the Yxy color 54.7044, 0.2583, 0.3411.

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

54.7044, 0.2583, 0.3411

Protanopia

53.9515, 0.3175, 0.3302

Deuteranopia

54.1656, 0.3137, 0.3079



Tritanopia

54.7787, 0.2492, 0.3080

Trichromacy



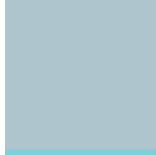
Original Color

54.7044, 0.2583, 0.3411



Protanomaly

53.7291, 0.2921, 0.3341



Deuteranomaly

53.4542, 0.2903, 0.3189



Tritanomaly

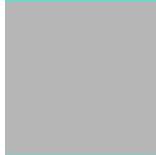
54.6964, 0.2525, 0.3196

Monochromacy



Original Color

54.7044, 0.2583, 0.3411



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.1850, 0.2892, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7044, 0.2583, 0.3411 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(118, 211, 202)` looks like.

```
.text, #text, p{  
    color:rgb(118, 211, 202)  
}
```

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(118, 211, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 211, 202) }
```

Border

The CSS property to change the border of an element to Yxy 54.7044, 0.2583, 0.3411 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(118, 211, 202) }
```

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

```
.border{ border-color:rgb(118, 211, 202) }
```

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

Here you see how a box with a 4 pixel rgb(118, 211, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 211, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 211, 202);  
box-shadow:4px 4px 4px 4px rgb(118, 211,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7044, 0.2583, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 211, 202) }
```

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

```
.background{ background-color: rgb(118,  
211, 202) }
```

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