

Converting Colors

$Yxy(45.7758, 0.2482, 0.3484)$

Have a look what the booklet for
Yxy(45.7758, 0.2482, 0.3484)
contains.

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Color

Yxy(45.7758, 0.2482, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	54C6B9
RGB	84, 198, 185
RGB Percent	33%, 78%, 73%
CMY	0.6702, 0.2235, 0.2746
CMYK	0.58, 0.00, 0.07, 0.22
HSL	173°, 50%, 55%
HSV	173°, 58%, 78%
XYZ	32.6107, 45.7758, 53.0022
YIQ	162.4320, -63.7710, -28.2110

Conversions

Conversions Part 2

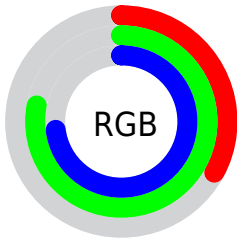
Format	Color
RYP	84, 144, 198
Decimal	5555897
CIELab	73.40, -35.31, -3.19
CIElCh	73, 35.454, 185.164
Yxy	45.7758, 0.2482, 0.3484
Android (android.graphics.Color)	4283745977 (0xFF54C6B9)
YUV	162.4320, 11.1260, -68.7849
Hunter-Lab	67.6578, -32.3653, 0.9135

Details

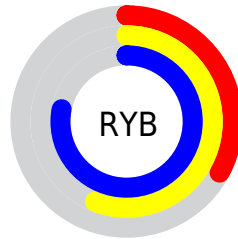
The Yxy color **45.7758, 0.2482, 0.3484** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.2248, 0.4663, 0.3132**, and the grayscale version is **36.3242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8002, 0.2598, 0.3448**, and **21.6125, 0.2317, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **44.8936, 0.2421, 0.3523**, and if you desaturate by 10%, it is **46.9214, 0.2562, 0.3446**.

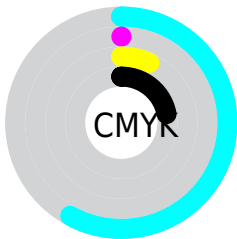
Distribution



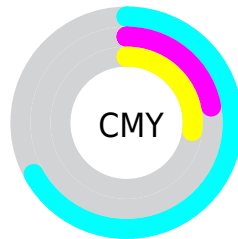
- Red (33%)
- Green (78%)
- Blue (73%)



- Red (33%)
- Yellow (56%)
- Blue (78%)



- Cyan (58%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)




- Cyan (67%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7758, 0.2482, 0.3484 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 45.7758, 0.2482, 0.3484 by changing the saturation by 10% instead.

 45.7758, 0.2482,
0.3484


 45.7758, 0.2482,
0.3484


369.9066, 0.2801,
0.3391

 32.0689, 0.2404,
0.3506


 83.8834, 0.2597,
0.3451

 21.4142, 0.2304,
0.3533


 109.0529, 0.2641,
0.3439

 13.4271, 0.2173,
0.3568


 138.8120, 0.2678,
0.3428

 7.7233, 0.1993,
0.3613

 173.5452, 0.2709,
0.3418

 3.9184, 0.1735,
0.3674

213.6369, 0.2737,
0.3410

 1.6280, 0.1273,
0.3782

259.4714, 0.2761,

 0.3764, 0.0000,

0.3403

0.3729

311.4332, 0.2782,
0.3397

0.0000, 0.0000,
0.0000

45.7758, 0.2482,
0.3484

45.7758, 0.2482,
0.3484

44.8936, 0.2421,
0.3523

46.9214, 0.2562,
0.3446

44.2469, 0.2378,
0.3563

48.3447, 0.2658,
0.3409

43.8115, 0.2355,
0.3602

50.0655, 0.2769,
0.3374

43.5500, 0.2348,
0.3641

52.1001, 0.2892,
0.3341

43.4964, 0.2348,
0.3651

54.4637, 0.3024,
0.3311

■ 57.1704, 0.3162,
0.3283

■ 60.2336, 0.3303,
0.3259

■ 63.6659, 0.3445,
0.3237

■ 66.0714, 0.3528,
0.3216

Harmonies

Analogous

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



45.7758, 0.2887, 0.3946



45.7758, 0.2482, 0.3484



45.7758, 0.2255, 0.3000

Triad

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



45.7758, 0.2482, 0.3484



45.7758, 0.2820, 0.2541



45.7758, 0.4089, 0.3840

Complementary

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



45.7758, 0.2482, 0.3484



19.2248, 0.4663, 0.3132

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.



45.7758, 0.4085, 0.3457



45.7758, 0.2482, 0.3484



45.7758, 0.3317, 0.2744

Square

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



45.7758, 0.2482, 0.3484



45.7758, 0.2438, 0.2503



45.7758, 0.3794, 0.3068



45.7758, 0.3821, 0.4122

Rectangle

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



45.7758, 0.2482, 0.3484



45.7758, 0.2222, 0.2749



45.7758, 0.3794, 0.3068



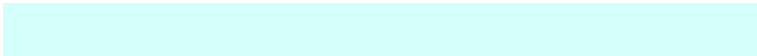
45.7758, 0.4121, 0.3718

Sweetspot

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



45.7776, 0.2482, 0.3484



92.3700, 0.2896, 0.3340



43.5905, 0.3121, 0.5082



19.6031, 0.2870, 0.3347



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.



45.7776, 0.2482, 0.3484



79.1761, 0.2408, 0.3533



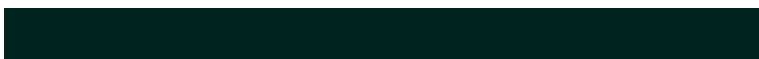
29.1869, 0.2266, 0.2597



12.0459, 0.2999, 0.3316



28.2958, 0.2346, 0.3646



1.3459, 0.2323, 0.3564

Inverse Universe

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



19.2248, 0.4663, 0.3132



27.7631, 0.5212, 0.3126



28.0209, 0.4481, 0.3854



10.6563, 0.3272, 0.3264



7.8535, 0.6247, 0.3215



0.3786, 0.5825, 0.2983

Previews

White Background



This preview shows how the Yxy color 45.7758, 0.2482, 0.3484 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 45.7758, 0.2482, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

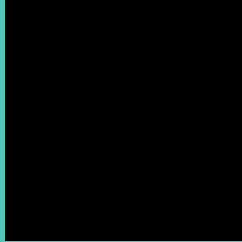
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

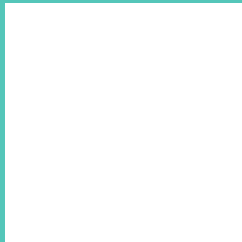
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7758, 0.2482, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 45.7758, 0.2482, 0.3484.

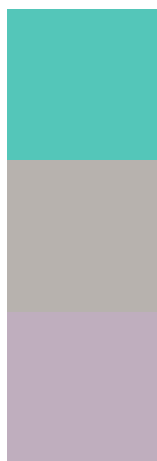


This preview shows how white text looks on a background with the Yxy color 45.7758, 0.2482, 0.3484.

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

45.7758, 0.2482, 0.3484

Protanopia

44.9641, 0.3204, 0.3343

Deuteranopia

45.0662, 0.3145, 0.3087



Tritanopia

45.6164, 0.2384, 0.3060

Trichromacy



Original Color

45.7758, 0.2482, 0.3484



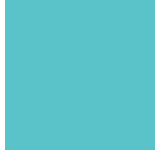
Protanomaly

44.1153, 0.2874, 0.3388



Deuteranomaly

44.1732, 0.2840, 0.3220



Tritanomaly

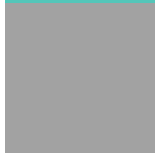
45.4209, 0.2415, 0.3201

Monochromacy



Original Color

45.7758, 0.2482, 0.3484



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.6306, 0.2823, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7758, 0.2482, 0.3484 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(84, 198, 185)` looks like.

```
.text, #text, p{  
    color:rgb(84, 198, 185)  
}
```

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(84, 198, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 198, 185) }
```

Border

The CSS property to change the border of an element to Yxy 45.7758, 0.2482, 0.3484 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(84, 198, 185) }
```

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

```
.border{ border-color:rgb(84, 198, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 198, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 198, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 198, 185);  
box-shadow:4px 4px 4px 4px rgb(84, 198,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7758, 0.2482, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 198, 185) }
```

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

```
.background{ background-color: rgb(84, 198,  
185) }
```

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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