

Converting Colors

$Yxy(45.0768, 0.2527, 0.3653)$

Have a look what the booklet for
Yxy(45.0768, 0.2527, 0.3653)
contains.

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Color

Yxy(45.1935, 0.2528, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	51C6AE
RGB	81, 198, 174
RGB Percent	32%, 78%, 68%
CMY	0.6820, 0.2235, 0.3176
CMYK	0.59, 0.00, 0.12, 0.22
HSL	168°, 51%, 55%
HSV	168°, 59%, 78%
XYZ	31.2327, 45.1935, 47.1208
YIQ	160.2810, -62.0280, -32.2680

Conversions

Conversions Part 2

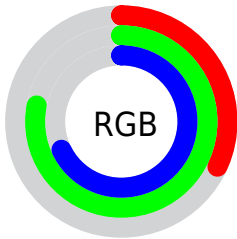
Format	Color
RYB	81, 146, 198
Decimal	5359278
CIELab	73.02, -38.67, 2.20
CIElCh	73, 38.733, 176.742
Yxy	45.1935, 0.2528, 0.3658
Android (android.graphics.Color)	4283549358 (0xFF51C6AE)
YUV	160.2810, 6.7635, -69.5294
Hunter-Lab	67.2261, -34.7161, 5.5001

Details

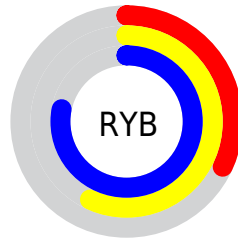
The Yxy color **45.1935, 0.2528, 0.3658** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **18.9248, 0.4553, 0.2993**, and the grayscale version is **35.2911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8399, 0.2640, 0.3592**, and **21.0501, 0.2375, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **44.2872, 0.2476, 0.3732**, and if you desaturate by 10%, it is **46.3632, 0.2598, 0.3586**.

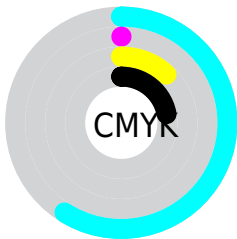
Distribution



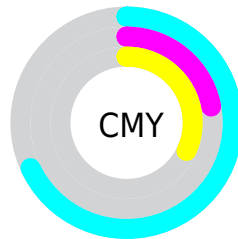
- Red (32%)
- Green (78%)
- Blue (68%)



- Red (32%)
- Yellow (57%)
- Blue (78%)



- Cyan (59%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





- Cyan (68%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1935, 0.2528, 0.3658 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 45.1935, 0.2528, 0.3658 by changing the saturation by 10% instead.

 45.1935, 0.2528,
0.3658


 45.1935, 0.2528,
0.3658


367.5567, 0.2828,
0.3472

 31.6099, 0.2453,
0.3705


 83.0107, 0.2637,
0.3590


 21.0637, 0.2357,
0.3766


 108.0131, 0.2678,
0.3564

 13.1706, 0.2230,
0.3847


 137.5905, 0.2713,
0.3543

 7.5461, 0.2053,
0.3962

 172.1273, 0.2742,
0.3525

 3.8059, 0.1794,
0.4133

212.0079, 0.2768,
0.3509

 1.5656, 0.1224,
0.4498

257.6168, 0.2791,

 0.3342, 0.0000,

0.3495

0.6141

309.3382, 0.2811,
0.3483

■ 0.0000, 0.0000,
0.0000

■ 45.1935, 0.2528,
0.3658

■ 45.1935, 0.2528,
0.3658

■ 44.2872, 0.2476,
0.3732

■ 46.3632, 0.2598,
0.3586

■ 43.6161, 0.2444,
0.3807

■ 47.8111, 0.2685,
0.3517

■ 43.1549, 0.2431,
0.3882

■ 49.5572, 0.2785,
0.3452

■ 42.8581, 0.2434,
0.3956

■ 51.6181, 0.2896,
0.3392

■ 42.8325, 0.2434,
0.3963

■ 54.0091, 0.3015,
0.3336

■ 56.7446, 0.3139,
0.3285

■ 59.8381, 0.3266,
0.3240

■ 63.3024, 0.3394,
0.3199

■ 66.3279, 0.3487,
0.3162

Harmonies

Analogous

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



45.1935, 0.3007, 0.4122



45.1935, 0.2528, 0.3658



45.1935, 0.2224, 0.3106

Triad

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



45.1935, 0.2528, 0.3658



45.1935, 0.2656, 0.2445



45.1935, 0.4213, 0.3771

Complementary

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



45.1935, 0.2528, 0.3658



18.9248, 0.4553, 0.2993

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.



45.1935, 0.4119, 0.3345



45.1935, 0.2528, 0.3658



45.1935, 0.3174, 0.2619

Square

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



45.1935, 0.2528, 0.3658



45.1935, 0.2295, 0.2457



45.1935, 0.3724, 0.2938



45.1935, 0.3991, 0.4128

Rectangle

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



45.1935, 0.2528, 0.3658



45.1935, 0.2146, 0.2799



45.1935, 0.3724, 0.2938



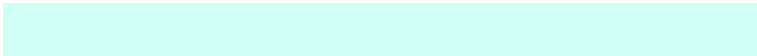
45.1935, 0.4219, 0.3631

Sweetspot

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



45.1953, 0.2528, 0.3658



91.7179, 0.2905, 0.3387



44.0713, 0.3196, 0.5089



19.3851, 0.2871, 0.3404



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.



45.1953, 0.2528, 0.3658



78.0274, 0.2464, 0.3755



32.6943, 0.2290, 0.2770



12.0288, 0.3011, 0.3338



27.8692, 0.2431, 0.3953



1.3293, 0.2388, 0.3798

Inverse Universe

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



18.9248, 0.4553, 0.2993



27.3010, 0.5075, 0.2976



24.6831, 0.4638, 0.3715



10.6720, 0.3258, 0.3243



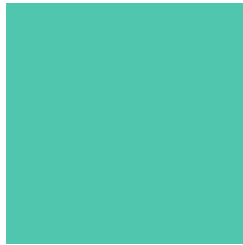
7.9203, 0.6041, 0.3101



0.3858, 0.5456, 0.2779

Previews

White Background



This preview shows how the Yxy color 45.1935, 0.2528, 0.3658 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 45.1935, 0.2528, 0.3658 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

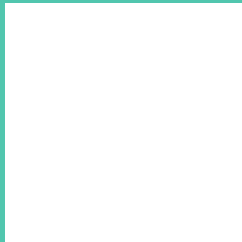
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1935, 0.2528, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 45.1935, 0.2528, 0.3658.



This preview shows how white text looks on a background with the Yxy color 45.1935, 0.2528, 0.3658.

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

45.1935, 0.2528, 0.3658

Protanopia

44.4029, 0.3315, 0.3476

Deuteranopia

44.2697, 0.3258, 0.3188



Tritanopia

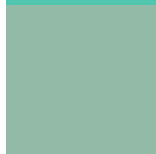
45.1231, 0.2386, 0.3059

Trichromacy



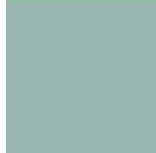
Original Color

45.1935, 0.2528, 0.3658



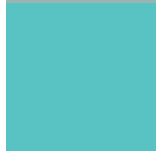
Protanomaly

43.6910, 0.2953, 0.3549



Deuteranomaly

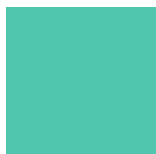
43.0344, 0.2918, 0.3332



Tritanomaly

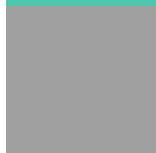
45.1396, 0.2436, 0.3273

Monochromacy



Original Color

45.1935, 0.2528, 0.3658



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.8140, 0.2835, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1935, 0.2528, 0.3658 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(81, 198, 174)` looks like.

```
.text, #text, p{  
    color:rgb(81, 198, 174)  
}
```

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(81, 198, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 198, 174) }
```

Border

The CSS property to change the border of an element to Yxy 45.1935, 0.2528, 0.3658 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(81, 198, 174) }
```

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

```
.border{ border-color:rgb(81, 198, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 198, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 198, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 198, 174);  
box-shadow:4px 4px 4px 4px rgb(81, 198,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1935, 0.2528, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 198, 174) }
```

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

```
.background{ background-color: rgb(81, 198,  
174) }
```

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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