

Converting Colors

$Yxy(45.8808, 0.2547, 0.3891)$

Have a look what the booklet for
Yxy(45.8808, 0.2547, 0.3891)
contains.

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Color

Yxy(45.6466, 0.2545, 0.3888)

Conversions

Conversions Part 1

Format	Color
Hex	44C9A3
RGB	68, 201, 163
RGB Percent	27%, 79%, 64%
CMY	0.7334, 0.2117, 0.3608
CMYK	0.66, 0.00, 0.19, 0.21
HSL	163°, 55%, 53%
HSV	163°, 66%, 79%
XYZ	29.8793, 45.6466, 41.8779
YIQ	156.9010, -67.0700, -40.0140

Conversions

Conversions Part 2

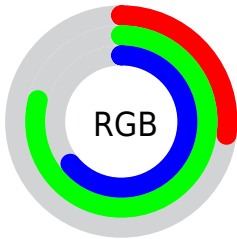
Format	Color
RYB	68, 146, 201
Decimal	4508067
CIELab	73.32, -45.01, 8.55
CIElCh	73, 45.810, 169.249
Yxy	45.6466, 0.2545, 0.3888
Android (android.graphics.Color)	4282698147 (0xFF44C9A3)
YUV	156.9010, 3.0068, -77.9662
Hunter-Lab	67.5623, -39.2927, 10.5431

Details

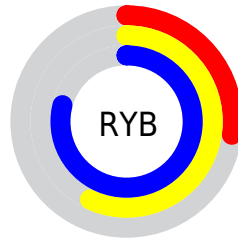
The Yxy color **45.6466, 0.2545, 0.3888** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.5919, 0.4648, 0.2843**, and the grayscale version is **33.6776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4073, 0.2648, 0.3731**, and **21.7055, 0.2463, 0.4066** is the 20% darker color. If you saturate the color by 10%, you get **44.8442, 0.2513, 0.3996**, and if you desaturate by 10%, it is **46.7096, 0.2596, 0.3782**.

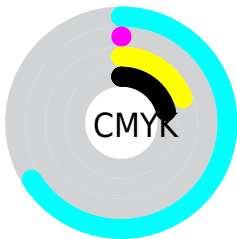
Distribution



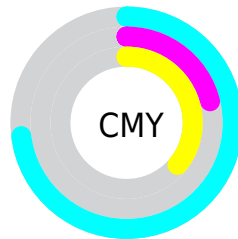
- Red (27%)
- Green (79%)
- Blue (64%)



- Red (27%)
- Yellow (57%)
- Blue (79%)



- Cyan (66%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (73%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6466, 0.2545, 0.3888 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 45.6466, 0.2545, 0.3888 by changing the saturation by 10% instead.


 45.6466, 0.2545,
0.3888

 45.6466, 0.2545,
0.3888


369.3860, 0.2841,
0.3578

 31.9670, 0.2470,
0.3969


 83.6899, 0.2653,
0.3773


 21.3363, 0.2373,
0.4075


 108.8223, 0.2694,
0.3730

 13.3701, 0.2244,
0.4220


 138.5412, 0.2728,
0.3695

 7.6839, 0.2062,
0.4429

 173.2310, 0.2757,
0.3664

 3.8933, 0.1790,
0.4754

 213.2759, 0.2782,
0.3638

 1.6141, 0.1034,
0.5519

259.0605, 0.2804,

 0.3671, 0.0000,

0.3615

1.0000

310.9691, 0.2823,
0.3596

■ 0.0000, 0.0000,
0.0000

■ 45.6466, 0.2545,
0.3888

■ 45.6466, 0.2545,
0.3888

■ 44.8442, 0.2513,
0.3996

■ 46.7096, 0.2596,
0.3782

■ 44.2704, 0.2502,
0.4104

■ 48.0507, 0.2664,
0.3680

■ 43.8932, 0.2509,
0.4211

■ 49.6921, 0.2747,
0.3584

■ 43.7760, 0.2514,
0.4252

■ 51.6522, 0.2842,
0.3493

■ 53.9479, 0.2947,
0.3409

■ 56.5950, 0.3057,
0.3333

■ 59.6080, 0.3171,
0.3265

■ 63.0009, 0.3286,
0.3203

■ 66.7868, 0.3401,
0.3149

Harmonies

Analogous

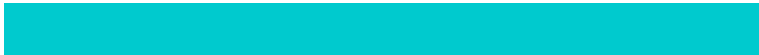
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.6466, 0.3132, 0.4375



45.6466, 0.2545, 0.3888



45.6466, 0.2140, 0.3219

Triad

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



45.6466, 0.2545, 0.3888



45.6466, 0.2450, 0.2296



45.6466, 0.4413, 0.3710

Complementary

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



45.6466, 0.2545, 0.3888



17.5919, 0.4648, 0.2843

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.



45.6466, 0.4210, 0.3219



45.6466, 0.2545, 0.3888



45.6466, 0.3014, 0.2448

Square

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



45.6466, 0.2545, 0.3888



45.6466, 0.2097, 0.2359



45.6466, 0.3674, 0.2774



45.6466, 0.4228, 0.4165

Rectangle

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



45.6466, 0.2545, 0.3888



45.6466, 0.2010, 0.2827



45.6466, 0.3674, 0.2774



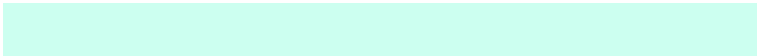
45.6466, 0.4390, 0.3545

Sweetspot

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



45.6484, 0.2545, 0.3888



90.6738, 0.2903, 0.3443



45.3748, 0.3259, 0.5263



19.1701, 0.2873, 0.3467



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.



45.6484, 0.2545, 0.3888



76.3423, 0.2507, 0.4038



35.8737, 0.2256, 0.2876



12.0139, 0.3021, 0.3357



27.5393, 0.2510, 0.4237



1.3160, 0.2448, 0.4014

Inverse Universe

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



17.5919, 0.4648, 0.2843



25.0073, 0.5165, 0.2844



20.9465, 0.5023, 0.3605



10.6860, 0.3245, 0.3224



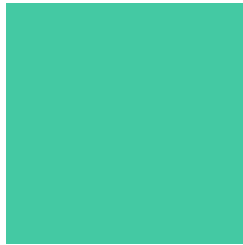
8.0101, 0.5789, 0.2963



0.3921, 0.5178, 0.2626

Previews

White Background



This preview shows how the Yxy color 45.6466, 0.2545, 0.3888 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 45.6466, 0.2545, 0.3888 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

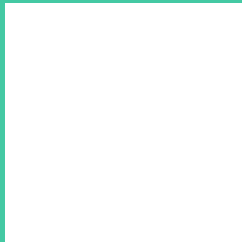
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6466, 0.2545, 0.3888

Background



This preview shows how black text looks on a background with the Yxy color 45.6466, 0.2545, 0.3888.



This preview shows how white text looks on a background with the Yxy color 45.6466, 0.2545, 0.3888.

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

45.6466, 0.2545, 0.3888

Protanopia

44.7665, 0.3443, 0.3648

Deuteranopia

44.8938, 0.3399, 0.3342



Tritanopia

45.7581, 0.2362, 0.3073

Trichromacy



Original Color

45.6466, 0.2545, 0.3888



Protanomaly

43.4137, 0.3017, 0.3745



Deuteranomaly

43.2363, 0.2984, 0.3519



Tritanomaly

45.5321, 0.2425, 0.3347

Monochromacy



Original Color

45.6466, 0.2545, 0.3888



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.7503, 0.2832, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6466, 0.2545, 0.3888 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(68, 201, 163)` looks like.

```
.text, #text, p{  
    color:rgb(68, 201, 163)  
}
```

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(68, 201, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 201, 163) }
```

Border

The CSS property to change the border of an element to Yxy 45.6466, 0.2545, 0.3888 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(68, 201, 163) }
```

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

```
.border{ border-color:rgb(68, 201, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 201, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 201, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 201, 163);  
box-shadow:4px 4px 4px 4px rgb(68, 201,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6466, 0.2545, 0.3888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 201, 163) }
```

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

```
.background{ background-color: rgb(68, 201,  
163) }
```

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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