

Converting Colors

Yxy(45.6653, 0.2688, 0.4339)

Have a look what the booklet for
Yxy(45.6653, 0.2688, 0.4339)
contains.

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Color

Yxy(45.8121, 0.2689, 0.4338)

Conversions

Conversions Part 1

Format	Color
Hex	45CB8A
RGB	69, 203, 138
RGB Percent	27%, 80%, 54%
CMY	0.7295, 0.2039, 0.4588
CMYK	0.66, 0.00, 0.32, 0.20
HSL	151°, 56%, 53%
HSV	151°, 66%, 80%
XYZ	28.3976, 45.8121, 31.3968
YIQ	155.5240, -58.9990, -48.6230

Conversions

Conversions Part 2

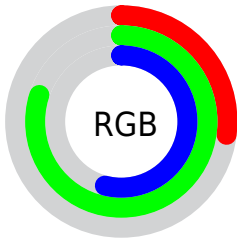
Format	Color
RYB	69, 157, 203
Decimal	4574090
CIELab	73.42, -51.19, 22.05
CIELCh	73, 55.732, 156.697
Yxy	45.8121, 0.2689, 0.4338
Android (android.graphics.Color)	4282764170 (0xFF45CB8A)
YUV	155.5240, -8.6393, -75.8815
Hunter-Lab	67.6846, -43.5571, 19.8764

Details

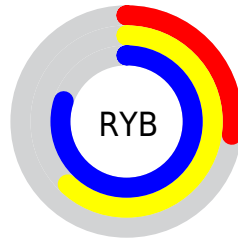
The Yxy color **45.8121, 0.2689, 0.4338** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.6718, 0.4183, 0.2515**, and the grayscale version is **33.0810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1511, 0.2770, 0.4064**, and **21.8844, 0.2626, 0.4652** is the 20% darker color. If you saturate the color by 10%, you get **44.9221, 0.2673, 0.4529**, and if you desaturate by 10%, it is **46.9855, 0.2724, 0.4150**.

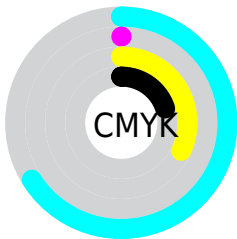
Distribution



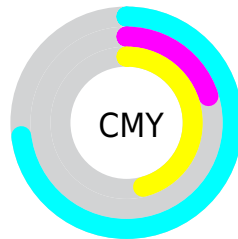
- Red (27%)
- Green (80%)
- Blue (54%)



- Red (27%)
- Yellow (62%)
- Blue (80%)



- Cyan (66%)
- Magenta (0%)
- Yellow (32%)
- Black (20%)





- Cyan (73%)
- Magenta (20%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8121, 0.2689, 0.4338 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 45.8121, 0.2689, 0.4338 by changing the saturation by 10% instead.


 45.8121, 0.2689,
0.4338


 45.8121, 0.2689,
0.4338


370.0527, 0.2925,
0.3779

 32.0976, 0.2625,
0.4489


 83.9377, 0.2779,
0.4126


 21.4360, 0.2539,
0.4689


 109.1176, 0.2811,
0.4050

 13.4431, 0.2419,
0.4967


 138.8881, 0.2838,
0.3986

 7.7344, 0.2240,
0.5376

 173.6335, 0.2861,
0.3931

 3.9255, 0.1954,
0.6024

 213.7383, 0.2880,
0.3885

 1.6319, 0.0871,
0.8720

259.5868, 0.2897,

 0.3790, 0.0000,

0.3845

1.0000

311.5635, 0.2912,
0.3810

0.0000, 0.0000,
0.0000

45.8121, 0.2689,
0.4338

45.8121, 0.2689,
0.4338

44.9221, 0.2673,
0.4529

46.9855, 0.2724,
0.4150

44.2820, 0.2677,
0.4717

48.4607, 0.2774,
0.3968

43.8591, 0.2701,
0.4897

50.2610, 0.2838,
0.3797

43.7249, 0.2713,
0.4967

52.4055, 0.2912,
0.3638

54.9121, 0.2992,
0.3493

■ 57.7974, 0.3076,
0.3362

■ 61.0768, 0.3161,
0.3245

■ 64.7649, 0.3247,
0.3142

■ 68.8756, 0.3330,
0.3050

Harmonies

Analogous

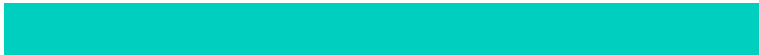
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8121, 0.3427, 0.4729



45.8121, 0.2689, 0.4338



45.8121, 0.2110, 0.3534

Triad

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



45.8121, 0.2689, 0.4338



45.8121, 0.2112, 0.2113



45.8121, 0.4642, 0.3514

Complementary

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



45.8121, 0.2689, 0.4338



18.6718, 0.4183, 0.2515

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.



45.8121, 0.4208, 0.2960



45.8121, 0.2689, 0.4338



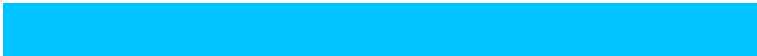
45.8121, 0.2675, 0.2195

Square

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



45.8121, 0.2689, 0.4338



45.8121, 0.1823, 0.2289



45.8121, 0.3448, 0.2495



45.8121, 0.4588, 0.4086

Rectangle

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



45.8121, 0.2689, 0.4338



45.8121, 0.1880, 0.2996



45.8121, 0.3448, 0.2495



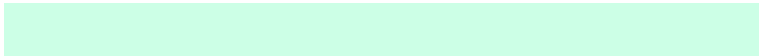
45.8121, 0.4549, 0.3324

Sweetspot

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



45.8139, 0.2689, 0.4338



90.0857, 0.2957, 0.3553



48.3770, 0.3459, 0.5135



19.0288, 0.2934, 0.3594



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.



45.8139, 0.2689, 0.4338



74.7371, 0.2672, 0.4605



48.2904, 0.2355, 0.3288



12.6318, 0.3047, 0.3405



27.8435, 0.2706, 0.4943



1.4517, 0.2609, 0.4592

Inverse Universe

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



18.6718, 0.4183, 0.2515



26.0986, 0.4537, 0.2459



17.3809, 0.5278, 0.3296



11.3028, 0.3215, 0.3178



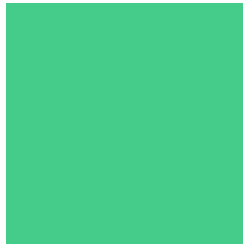
8.6647, 0.5006, 0.2531



0.4623, 0.4563, 0.2287

Previews

White Background



This preview shows how the Yxy color 45.8121, 0.2689, 0.4338 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 45.8121, 0.2689, 0.4338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

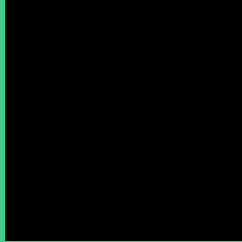
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8121, 0.2689, 0.4338

Background



This preview shows how black text looks on a background with the Yxy color 45.8121, 0.2689, 0.4338.

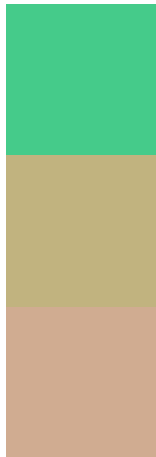


This preview shows how white text looks on a background with the Yxy color 45.8121, 0.2689, 0.4338.

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

45.8121, 0.2689, 0.4338

Protanopia

45.1100, 0.3691, 0.3970

Deuteranopia

44.9593, 0.3703, 0.3629



Tritanopia

45.6696, 0.2389, 0.3060

Trichromacy



Original Color

45.8121, 0.2689, 0.4338



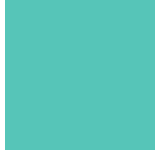
Protanomaly

43.9010, 0.3225, 0.4129



Deuteranomaly

42.9881, 0.3226, 0.3883



Tritanomaly

45.3716, 0.2492, 0.3484

Monochromacy



Original Color

45.8121, 0.2689, 0.4338



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.3422, 0.2898, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8121, 0.2689, 0.4338 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(69, 203, 138)` looks like.

```
.text, #text, p{  
    color:rgb(69, 203, 138)  
}
```

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(69, 203, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 203, 138) }
```

Border

The CSS property to change the border of an element to Yxy 45.8121, 0.2689, 0.4338 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(69, 203, 138) }
```

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

```
.border{ border-color:rgb(69, 203, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 203, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 203, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 203, 138);  
box-shadow:4px 4px 4px 4px rgb(69, 203,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8121, 0.2689, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 203, 138) }
```

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

```
.background{ background-color: rgb(69, 203,  
138) }
```

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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