

Converting Colors

$Y_{xy}(45.2558, 0.2529, 0.4281)$

Have a look what the booklet for
Yxy(45.2558, 0.2529, 0.4281)
contains.

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Color

Yxy(45.2510, 0.2529, 0.4282)

Conversions

Conversions Part 1

Format	Color
Hex	08CC90
RGB	8, 204, 144
RGB Percent	3%, 80%, 56%
CMY	0.9684, 0.2000, 0.4354
CMYK	0.96, 0.00, 0.29, 0.20
HSL	162°, 92%, 42%
HSV	162°, 96%, 80%
XYZ	26.7258, 45.2510, 33.7005
YIQ	138.5560, -97.5560, -60.2120

Conversions

Conversions Part 2

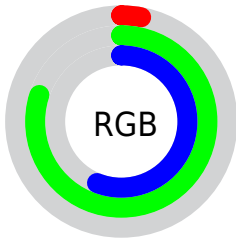
Format	Color
RYB	8, 124, 204
Decimal	576656
CIELab	73.06, -56.30, 18.26
CIELCh	73, 59.185, 162.030
Yxy	45.2510, 0.2529, 0.4282
Android (android.graphics.Color)	4278766736 (0xFF08CC90)
YUV	138.5560, 2.6839, -114.4976
Hunter-Lab	67.2689, -46.8028, 17.3850

Details

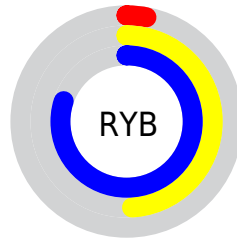
The Yxy color **45.2510, 0.2529, 0.4282** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.4315, 0.5639, 0.2909**, and the grayscale version is **25.6639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4808, 0.2631, 0.4006**, and **21.9701, 0.2592, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **45.1261, 0.2535, 0.4327**, and if you desaturate by 10%, it is **45.6506, 0.2520, 0.4167**.

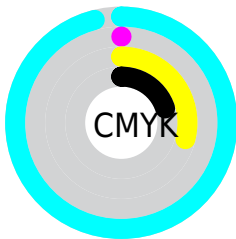
Distribution



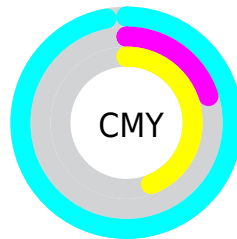
- Red (3%)
- Green (80%)
- Blue (56%)



- Red (3%)
- Yellow (49%)
- Blue (80%)



- Cyan (96%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)





- Cyan (97%)
- Magenta (20%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2510, 0.2529, 0.4282 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 45.2510, 0.2529, 0.4282 by changing the saturation by 10% instead.


 45.2510, 0.2529,
0.4282


 45.2510, 0.2529,
0.4282


367.7892, 0.2843,
0.3754


 31.6552, 0.2446,
0.4424


 83.0969, 0.2646,
0.4082


 21.0983, 0.2338,
0.4614


 108.1158, 0.2689,
0.4010


 13.1958, 0.2189,
0.4876


 137.7112, 0.2725,
0.3949

 7.5635, 0.1976,
0.5262

 172.2675, 0.2756,
0.3898

 3.8170, 0.1647,
0.5876

 212.1690, 0.2782,
0.3854

 1.5717, 0.0000,
0.8409

257.8002, 0.2805,

 0.3384, 0.0000,

0.3816

1.0000

309.5455, 0.2825,
0.3783

■ 0.0000, 0.0000,
0.0000

■ 45.2510, 0.2529,
0.4282

■ 45.2510, 0.2529,
0.4282

■ 45.1261, 0.2535,
0.4327

■ 45.6506, 0.2520,
0.4167

■ 46.2539, 0.2530,
0.4050

■ 47.0972, 0.2560,
0.3933

■ 48.2083, 0.2609,
0.3819

■ 49.6109, 0.2676,
0.3709

■ 51.3262, 0.2757,
0.3604

■ 53.3732, 0.2850,
0.3507

■ 55.7694, 0.2952,
0.3417

■ 58.5313, 0.3060,
0.3336

Harmonies

Analogous

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



45.2510, 0.3293, 0.4805



45.2510, 0.2529, 0.4282



45.2510, 0.1970, 0.3384

Triad

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



45.2510, 0.2529, 0.4282



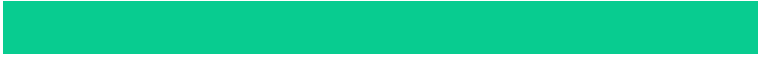
45.2510, 0.2138, 0.2046



45.2510, 0.4767, 0.3622

Complementary

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



45.2510, 0.2529, 0.4282



13.4315, 0.5639, 0.2909

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.



45.2510, 0.4396, 0.3034



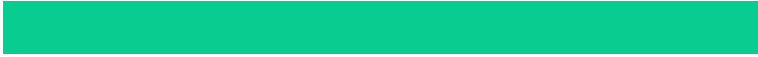
45.2510, 0.2529, 0.4282



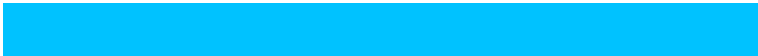
45.2510, 0.2778, 0.2177

Square

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



45.2510, 0.2529, 0.4282



45.2510, 0.1785, 0.2174



45.2510, 0.3620, 0.2526



45.2510, 0.4612, 0.4221

Rectangle

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



45.2510, 0.2529, 0.4282



45.2510, 0.1770, 0.2835



45.2510, 0.3620, 0.2526



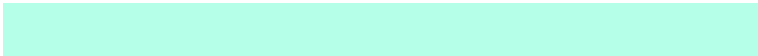
45.2510, 0.4702, 0.3422

Sweetspot

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



45.2528, 0.2529, 0.4282



87.1956, 0.2818, 0.3539



44.5117, 0.3171, 0.5839



18.3525, 0.2778, 0.3581



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.



45.2528, 0.2529, 0.4282



74.6895, 0.2539, 0.4342



32.4472, 0.2093, 0.2714



12.6662, 0.3024, 0.3362



28.4188, 0.2531, 0.4311



1.4792, 0.2468, 0.4086

Inverse Universe

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



13.4315, 0.5639, 0.2909



21.8118, 0.5789, 0.2963



14.6558, 0.6125, 0.3473



11.2693, 0.3243, 0.3219



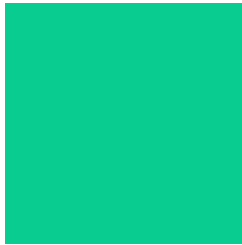
8.3171, 0.5720, 0.2925



0.4427, 0.5154, 0.2613

Previews

White Background



This preview shows how the Yxy color 45.2510, 0.2529, 0.4282 looks on a white background.

Color Contrast Check

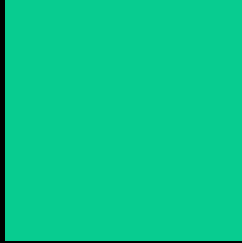
Large Text (above 18pt) WCAG AA × Fail

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 45.2510, 0.2529, 0.4282 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 45.2510, 0.2529, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 45.2510, 0.2529, 0.4282.

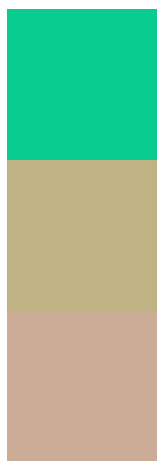


This preview shows how white text looks on a background with the Yxy color 45.2510, 0.2529, 0.4282.

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

45.2510, 0.2529, 0.4282

Protanopia

44.5831, 0.3634, 0.3897

Deuteranopia

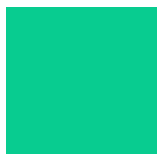
44.1976, 0.3613, 0.3545



Tritanopia

44.9986, 0.2290, 0.3056

Trichromacy



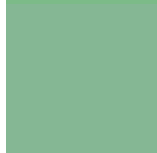
Original Color

45.2510, 0.2529, 0.4282



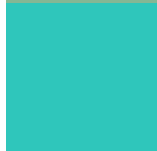
Protanomaly

41.6033, 0.2997, 0.4085



Deuteranomaly

40.9916, 0.2981, 0.3824



Tritanomaly

44.5804, 0.2353, 0.3458

Monochromacy



Original Color

45.2510, 0.2529, 0.4282



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.3416, 0.2695, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2510, 0.2529, 0.4282 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(8, 204, 144)` looks like.

```
.text, #text, p{  
    color:rgb(8, 204, 144)  
}
```

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(8, 204, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 204, 144) }
```

Border

The CSS property to change the border of an element to Yxy 45.2510, 0.2529, 0.4282 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(8, 204, 144) }
```

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

```
.border{ border-color:rgb(8, 204, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 204, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 204, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 204, 144);  
box-shadow:4px 4px 4px 4px rgb(8, 204,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2510, 0.2529, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 204, 144) }
```

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

```
.background{ background-color: rgb(8, 204,  
144) }
```

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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