

Converting Colors

$Y_{xy}(45.5730, 0.2466, 0.4078)$

Have a look what the booklet for
Yxy(45.5730, 0.2466, 0.4078)
contains.

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Color

Yxy(45.5860, 0.2464, 0.4071)

Conversions

Conversions Part 1

Format	Color
Hex	00CC9C
RGB	0, 204, 156
RGB Percent	0%, 80%, 61%
CMY	1.0000, 0.2000, 0.3882
CMYK	1.00, 0.00, 0.24, 0.20
HSL	166°, 100%, 40%
HSV	166°, 100%, 80%
XYZ	27.5912, 45.5860, 38.8002
YIQ	137.5320, -106.1760, -58.1760

Conversions

Conversions Part 2

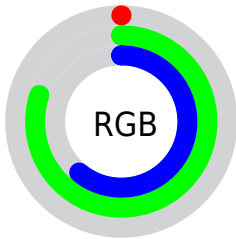
Format	Color
RYB	0, 116, 204
Decimal	52380
CIELab	73.28, -53.74, 12.13
CIELCh	73, 55.097, 167.280
Yxy	45.5860, 0.2464, 0.4071
Android (android.graphics.Color)	4278242460 (0xFF00CC9C)
YUV	137.5320, 9.1047, -120.6156
Hunter-Lab	67.5174, -45.2108, 13.1901

Details

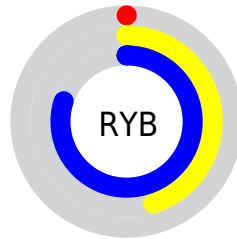
The Yxy color **45.5860, 0.2464, 0.4071** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.0517, 0.5990, 0.3074**, and the grayscale version is **25.2250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0479, 0.2571, 0.3835**, and **22.5148, 0.2517, 0.4262** is the 20% darker color. If you saturate the color by 10%, you get **45.5896, 0.2464, 0.4071**, and if you desaturate by 10%, it is **45.9084, 0.2457, 0.3985**.

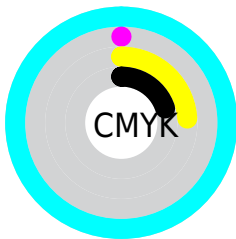
Distribution



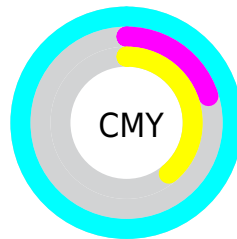
- Red (0%)
- Green (80%)
- Blue (61%)



- Red (0%)
- Yellow (45%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5860, 0.2464, 0.4071 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 45.5860, 0.2464, 0.4071 by changing the saturation by 10% instead.


 45.5860, 0.2464,
0.4071

 45.5860, 0.2464,
0.4071

369.1417, 0.2803,
0.3661

 31.9192, 0.2377,
0.4179


 83.5991, 0.2589,
0.3918


 21.2998, 0.2265,
0.4322


 108.7142, 0.2635,
0.3861


 13.3433, 0.2114,
0.4518


 138.4142, 0.2674,
0.3814

 7.6654, 0.1903,
0.4803

 173.0835, 0.2708,
0.3774

 3.8816, 0.1587,
0.5251

 213.1065, 0.2736,
0.3740

 1.6076, 0.0347,
0.6576

258.8676, 0.2762,

 0.3627, 0.0000,

0.3710

1.0000

310.7512, 0.2784,
0.3684

■ 0.0000, 0.0000,
0.0000

■ 45.5860, 0.2464,
0.4071

■ 45.5860, 0.2464,
0.4071

■ 45.5896, 0.2464,
0.4071

■ 45.9084, 0.2457,
0.3985

■ 46.3951, 0.2465,
0.3897

■ 47.1053, 0.2493,
0.3810

■ 48.0684, 0.2541,
0.3724

■ 49.3096, 0.2607,
0.3640

■ 50.8508, 0.2689,
0.3560

■ 52.7118, 0.2785,
0.3484

■ 54.9106, 0.2892,
0.3414

■ 57.4639, 0.3007,
0.3349

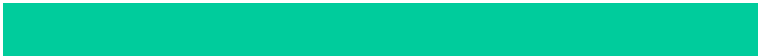
Harmonies

Analogous

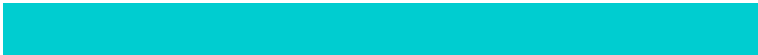
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5860, 0.3162, 0.4643



45.5860, 0.2464, 0.4071



45.5860, 0.1982, 0.3241

Triad

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



45.5860, 0.2464, 0.4071



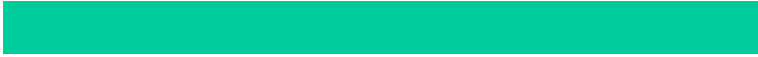
45.5860, 0.2288, 0.2124



45.5860, 0.4664, 0.3716

Complementary

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



45.5860, 0.2464, 0.4071



13.0517, 0.5990, 0.3074

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.



45.5860, 0.4399, 0.3151



45.5860, 0.2464, 0.4071



45.5860, 0.2934, 0.2287

Square

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



45.5860, 0.2464, 0.4071



45.5860, 0.1903, 0.2204



45.5860, 0.3728, 0.2650



45.5860, 0.4452, 0.4267

Rectangle

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



45.5860, 0.2464, 0.4071



45.5860, 0.1825, 0.2760



45.5860, 0.3728, 0.2650



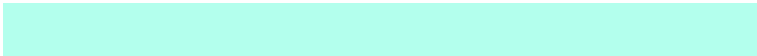
45.5860, 0.4631, 0.3525

Sweetspot

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



45.5896, 0.2464, 0.4071



87.1587, 0.2781, 0.3487



43.8928, 0.3098, 0.5922



18.3615, 0.2739, 0.3519



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.



45.5896, 0.2464, 0.4071



75.4603, 0.2467, 0.4082



27.1441, 0.2015, 0.2454



12.6801, 0.3014, 0.3345



28.7075, 0.2461, 0.4059



1.4922, 0.2414, 0.3890

Inverse Universe

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



13.0517, 0.5990, 0.3074



21.5862, 0.6019, 0.3090



15.2061, 0.6088, 0.3548



11.2562, 0.3254, 0.3236



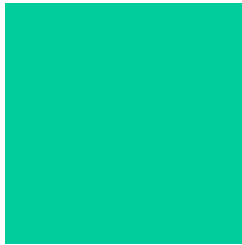
8.2265, 0.5957, 0.3055



0.4366, 0.5389, 0.2742

Previews

White Background



This preview shows how the Yxy color 45.5860, 0.2464, 0.4071 looks on a white background.

Color Contrast Check

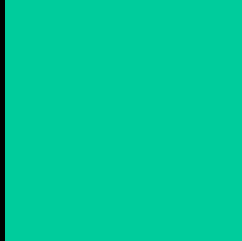
Large Text (above 18pt) WCAG AA × Fail

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 45.5860, 0.2464, 0.4071 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 45.5860, 0.2464, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 45.5860, 0.2464, 0.4071.



This preview shows how white text looks on a background with the Yxy color 45.5860, 0.2464, 0.4071.

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

45.5860, 0.2464, 0.4071

Protanopia

44.6428, 0.3521, 0.3755

Deuteranopia

44.5669, 0.3473, 0.3405



Tritanopia

45.3233, 0.2275, 0.3056

Trichromacy



Original Color

45.5860, 0.2464, 0.4071



Protanomaly

41.6718, 0.2885, 0.3896



Deuteranomaly

41.4082, 0.2858, 0.3653



Tritanomaly

45.1240, 0.2321, 0.3395

Monochromacy



Original Color

45.5860, 0.2464, 0.4071



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.9597, 0.2644, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5860, 0.2464, 0.4071 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(0, 204, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 156)  
}
```

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(0, 204, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 156) }
```

Border

The CSS property to change the border of an element to Yxy 45.5860, 0.2464, 0.4071 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(0, 204, 156) }
```

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

```
.border{ border-color:rgb(0, 204, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5860, 0.2464, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 156) }
```

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

```
.background{ background-color: rgb(0, 204,  
156) }
```

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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