

Converting Colors

$Y_{xy}(45.3121, 0.2506, 0.4207)$

Have a look what the booklet for
Yxy(45.3121, 0.2506, 0.4207)
contains.

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Color

Yxy(45.3561, 0.2507, 0.4211)

Conversions

Conversions Part 1

Format	Color
Hex	05CC94
RGB	5, 204, 148
RGB Percent	2%, 80%, 58%
CMY	0.9796, 0.2000, 0.4196
CMYK	0.97, 0.00, 0.27, 0.20
HSL	163°, 95%, 41%
HSV	163°, 97%, 80%
XYZ	27.0026, 45.3561, 35.3500
YIQ	138.1150, -100.6280, -59.6040

Conversions

Conversions Part 2

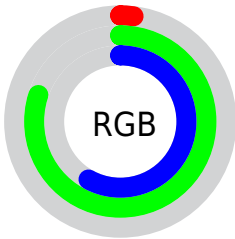
Format	Color
RYB	5, 121, 204
Decimal	380052
CIELab	73.13, -55.47, 16.21
CIELCh	73, 57.787, 163.713
Yxy	45.3561, 0.2507, 0.4211
Android (android.graphics.Color)	4278570132 (0xFF05CC94)
YUV	138.1150, 4.8733, -116.7419
Hunter-Lab	67.3469, -46.2881, 16.0219

Details

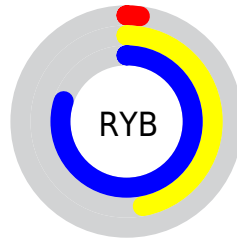
The Yxy color **45.3561, 0.2507, 0.4211** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.2891, 0.5768, 0.2970**, and the grayscale version is **25.4949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6678, 0.2614, 0.3953**, and **22.0429, 0.2566, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **45.2784, 0.2511, 0.4238**, and if you desaturate by 10%, it is **45.7252, 0.2498, 0.4106**.

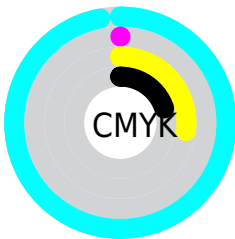
Distribution



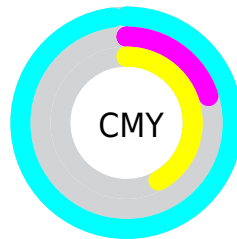
- Red (2%)
- Green (80%)
- Blue (58%)



- Red (2%)
- Yellow (47%)
- Blue (80%)



- Cyan (97%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)





- Cyan (98%)
- Magenta (20%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3561, 0.2507, 0.4211 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 45.3561, 0.2507, 0.4211 by changing the saturation by 10% instead.


 45.3561, 0.2507,
0.4211

 45.3561, 0.2507,
0.4211


368.2139, 0.2829,
0.3723


 31.7380, 0.2423,
0.4342


 83.2545, 0.2627,
0.4027

 21.1615, 0.2313,
0.4515


 108.3036, 0.2671,
0.3960


 13.2421, 0.2164,
0.4755


 137.9319, 0.2708,
0.3904

 7.5955, 0.1952,
0.5108

 172.5237, 0.2739,
0.3856

 3.8372, 0.1628,
0.5666

 212.4633, 0.2767,
0.3816

 1.5829, 0.0131,
0.7687

258.1353, 0.2790,

 0.3460, 0.0000,

0.3781

1.0000

309.9241, 0.2811,
0.3750

■ 0.0000, 0.0000,
0.0000

■ 45.3561, 0.2507,
0.4211

■ 45.3561, 0.2507,
0.4211

■ 45.2784, 0.2511,
0.4238

■ 45.7252, 0.2498,
0.4106

■ 46.2872, 0.2507,
0.3999

■ 47.0835, 0.2537,
0.3893

■ 48.1421, 0.2585,
0.3788

■ 49.4875, 0.2652,
0.3687

■ 51.1410, 0.2734,
0.3591

■ 53.1218, 0.2828,
0.3501

■ 55.4478, 0.2932,
0.3418

■ 58.1353, 0.3042,
0.3342

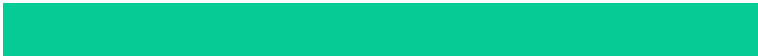
Harmonies

Analogous

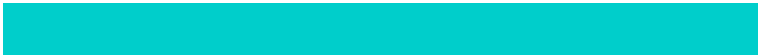
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3561, 0.3250, 0.4752



45.3561, 0.2507, 0.4211



45.3561, 0.1973, 0.3335

Triad

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



45.3561, 0.2507, 0.4211



45.3561, 0.2187, 0.2072



45.3561, 0.4733, 0.3654

Complementary

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



45.3561, 0.2507, 0.4211



13.2891, 0.5768, 0.2970

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.



45.3561, 0.4398, 0.3073



45.3561, 0.2507, 0.4211



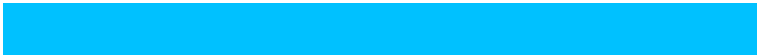
45.3561, 0.2830, 0.2213

Square

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



45.3561, 0.2507, 0.4211



45.3561, 0.1824, 0.2183



45.3561, 0.3657, 0.2567



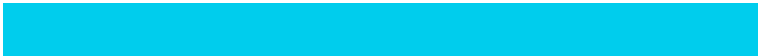
45.3561, 0.4559, 0.4237

Rectangle

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



45.3561, 0.2507, 0.4211



45.3561, 0.1788, 0.2810



45.3561, 0.3657, 0.2567



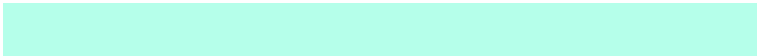
45.3561, 0.4679, 0.3456

Sweetspot

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



45.3579, 0.2507, 0.4211



87.3002, 0.2809, 0.3518



44.2062, 0.3134, 0.5877



18.3778, 0.2768, 0.3557



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.



45.3579, 0.2507, 0.4211



74.9463, 0.2514, 0.4251



29.8568, 0.2057, 0.2592



12.6711, 0.3020, 0.3356



28.5151, 0.2506, 0.4223



1.4836, 0.2449, 0.4017

Inverse Universe

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



13.2891, 0.5768, 0.2970



21.7256, 0.5874, 0.3010



14.9846, 0.6095, 0.3513



11.2648, 0.3246, 0.3225



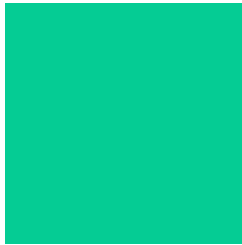
8.2827, 0.5807, 0.2972



0.4405, 0.5236, 0.2658

Previews

White Background



This preview shows how the Yxy color 45.3561, 0.2507, 0.4211 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 45.3561, 0.2507, 0.4211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

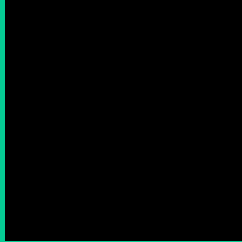
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3561, 0.2507, 0.4211

Background



This preview shows how black text looks on a background with the Yxy color 45.3561, 0.2507, 0.4211.



This preview shows how white text looks on a background with the Yxy color 45.3561, 0.2507, 0.4211.

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

45.3561, 0.2507, 0.4211

Protanopia

44.5655, 0.3590, 0.3846

Deuteranopia

44.1889, 0.3567, 0.3494



Tritanopia

45.4266, 0.2283, 0.3056

Trichromacy



Original Color

45.3561, 0.2507, 0.4211



Protanomaly

41.6451, 0.2962, 0.4022



Deuteranomaly

40.9593, 0.2936, 0.3763



Tritanomaly

45.0789, 0.2343, 0.3441

Monochromacy



Original Color

45.3561, 0.2507, 0.4211



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.9673, 0.2679, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3561, 0.2507, 0.4211 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(5, 204, 148)` looks like.

```
.text, #text, p{  
    color:rgb(5, 204, 148)  
}
```

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(5, 204, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 204, 148) }
```

Border

The CSS property to change the border of an element to Yxy 45.3561, 0.2507, 0.4211 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(5, 204, 148) }
```

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

```
.border{ border-color:rgb(5, 204, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 204, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 204, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 204, 148);  
box-shadow:4px 4px 4px 4px rgb(5, 204,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3561, 0.2507, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 204, 148) }
```

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

```
.background{ background-color: rgb(5, 204,  
148) }
```

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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