

Converting Colors

$Y_{xy}(45.1756, 0.2624, 0.4630)$

Have a look what the booklet for
Yxy(45.1756, 0.2624, 0.4630)
contains.

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Color

Yxy(45.1756, 0.2624, 0.4631)

Conversions

Conversions Part 1

Format	Color
Hex	05CD7D
RGB	5, 205, 125
RGB Percent	2%, 80%, 49%
CMY	0.9800, 0.1961, 0.5097
CMYK	0.98, 0.00, 0.39, 0.20
HSL	156°, 95%, 41%
HSV	156°, 98%, 80%
XYZ	25.5972, 45.1756, 26.7776
YIQ	136.0800, -93.5200, -67.2800

Conversions

Conversions Part 2

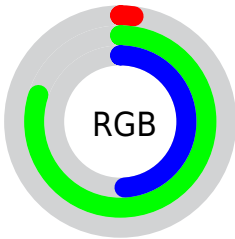
Format	Color
RYB	5, 130, 205
Decimal	380285
CIELab	73.01, -60.76, 28.16
CIELCh	73, 66.969, 155.138
Yxy	45.1756, 0.2624, 0.4631
Android (android.graphics.Color)	4278570365 (0xFF05CD7D)
YUV	136.0800, -5.4624, -114.9572
Hunter-Lab	67.2128, -49.6427, 23.4278

Details

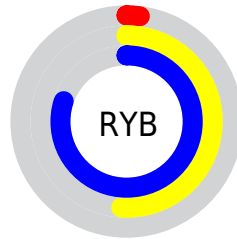
The Yxy color **45.1756, 0.2624, 0.4631** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.7477, 0.5325, 0.2724**, and the grayscale version is **24.7132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6179, 0.2721, 0.4276**, and **22.0029, 0.2713, 0.4968** is the 20% darker color. If you saturate the color by 10%, you get **45.0927, 0.2630, 0.4668**, and if you desaturate by 10%, it is **45.5774, 0.2604, 0.4480**.

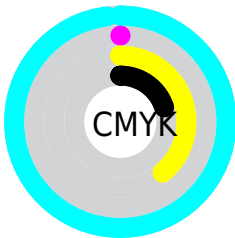
Distribution



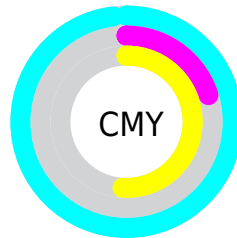
- Red (2%)
- Green (80%)
- Blue (49%)



- Red (2%)
- Yellow (51%)
- Blue (80%)



- Cyan (98%)
- Magenta (0%)
- Yellow (39%)
- Black (20%)




- Cyan (98%)
- Magenta (20%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1756, 0.2624, 0.4631 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 45.1756, 0.2624, 0.4631 by changing the saturation by 10% instead.


 45.1756, 0.2624,
0.4631


 45.1756, 0.2624,
0.4631


367.4843, 0.2903,
0.3906

 31.5958, 0.2545,
0.4829


 82.9839, 0.2732,
0.4354


 21.0529, 0.2439,
0.5094


 107.9811, 0.2770,
0.4255

 13.1627, 0.2289,
0.5462


 137.5528, 0.2802,
0.4172

 7.5407, 0.2062,
0.6001

 172.0836, 0.2829,
0.4102

 3.8025, 0.1696,
0.6853

 211.9577, 0.2851,
0.4042

 1.5637, 0.0000,
1.0000

257.5596, 0.2871,

 0.3329, 0.0000,

0.3990

1.0000

309.2737, 0.2888,
0.3945

■ 0.0000, 0.0000,
0.0000

■ 45.1756, 0.2624,
0.4631

■ 45.1756, 0.2624,
0.4631

■ 45.0927, 0.2630,
0.4668

■ 45.5774, 0.2604,
0.4480

■ 46.1825, 0.2603,
0.4324

■ 47.0329, 0.2623,
0.4168

■ 48.1577, 0.2661,
0.4014

■ 49.5815, 0.2717,
0.3866

■ 51.3264, 0.2788,
0.3725

■ 53.4120, 0.2870,
0.3594

■ 55.8566, 0.2959,
0.3474

■ 58.6769, 0.3054,
0.3365

Harmonies

Analogous

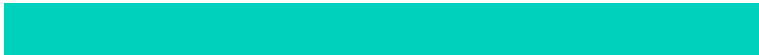
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1756, 0.3491, 0.5047



45.1756, 0.2624, 0.4631



45.1756, 0.1944, 0.3627

Triad

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



45.1756, 0.2624, 0.4631



45.1756, 0.1911, 0.1919



45.1756, 0.4932, 0.3478

Complementary

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



45.1756, 0.2624, 0.4631



13.7477, 0.5325, 0.2724

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.



45.1756, 0.4388, 0.2854



45.1756, 0.2624, 0.4631



45.1756, 0.2540, 0.2005

Square

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



45.1756, 0.2624, 0.4631



45.1756, 0.1603, 0.2120



45.1756, 0.3450, 0.2335



45.1756, 0.4866, 0.4140

Rectangle

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



45.1756, 0.2624, 0.4631



45.1756, 0.1678, 0.2958



45.1756, 0.3450, 0.2335



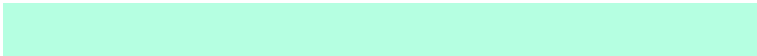
45.1756, 0.4816, 0.3263

Sweetspot

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



45.1774, 0.2624, 0.4631



86.8084, 0.2854, 0.3618



45.7688, 0.3269, 0.5771



18.2596, 0.2818, 0.3674



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.



45.1774, 0.2624, 0.4631



73.8187, 0.2635, 0.4687



40.5544, 0.2179, 0.3032



12.6481, 0.3036, 0.3384



28.0907, 0.2624, 0.4647



1.4639, 0.2542, 0.4351

Inverse Universe

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



13.7477, 0.5325, 0.2724



22.2200, 0.5426, 0.2763



13.5556, 0.6299, 0.3350



11.2868, 0.3228, 0.3198



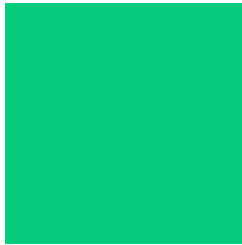
8.4772, 0.5358, 0.2725



0.4522, 0.4842, 0.2441

Previews

White Background



This preview shows how the Yxy color 45.1756, 0.2624, 0.4631 looks on a white background.

Color Contrast Check

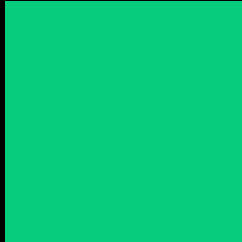
Large Text (above 18pt) WCAG AA × Fail

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 45.1756, 0.2624, 0.4631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

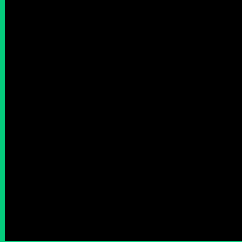
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1756, 0.2624, 0.4631

Background



This preview shows how black text looks on a background with the Yxy color 45.1756, 0.2624, 0.4631.

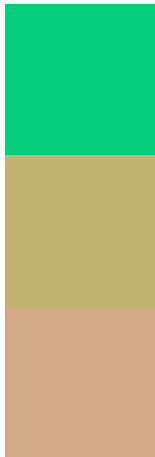


This preview shows how white text looks on a background with the Yxy color 45.1756, 0.2624, 0.4631.

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

45.1756, 0.2624, 0.4631

Protanopia

44.3932, 0.3803, 0.4123

Deuteranopia

44.1445, 0.3840, 0.3752



Tritanopia

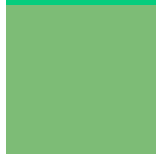
45.1892, 0.2306, 0.3057

Trichromacy



Original Color

45.1756, 0.2624, 0.4631



Protanomaly

41.6344, 0.3129, 0.4385



Deuteranomaly

40.6296, 0.3129, 0.4108



Tritanomaly

44.7951, 0.2395, 0.3584

Monochromacy



Original Color

45.1756, 0.2624, 0.4631



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

29.2304, 0.2735, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1756, 0.2624, 0.4631 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, 205, 125)` looks like.

```
.text, #text, p{  
    color:rgb(5, 205, 125)  
}
```

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, 205, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 205, 125) }
```

Border

The CSS property to change the border of an element to Yxy 45.1756, 0.2624, 0.4631 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, 205, 125) }
```

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

```
.border{ border-color:rgb(5, 205, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 205, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 205, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 205, 125);  
box-shadow:4px 4px 4px 4px rgb(5, 205,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1756, 0.2624, 0.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 205, 125) }
```

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

```
.background{ background-color: rgb(5, 205,  
125) }
```

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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