

Converting Colors

$Y_{xy}(46.2259, 0.2549, 0.4329)$

Have a look what the booklet for
Yxy(46.2259, 0.2549, 0.4329)
contains.

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Color

Yxy(46.2359, 0.2547, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	10CE8F
RGB	16, 206, 143
RGB Percent	6%, 81%, 56%
CMY	0.9378, 0.1921, 0.4392
CMYK	0.92, 0.00, 0.31, 0.19
HSL	160°, 86%, 44%
HSV	160°, 92%, 81%
XYZ	27.2410, 46.2359, 33.4764
YIQ	142.0080, -93.0170, -59.8730

Conversions

Conversions Part 2

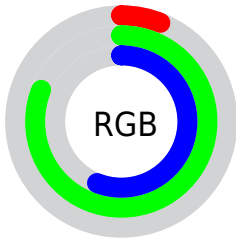
Format	Color
R _Y B	16, 130, 206
Decimal	1101455
CIE Lab	73.70, -56.97, 19.67
CIE LCh	74, 60.271, 160.956
Yxy	46.2359, 0.2547, 0.4323
Android (android.graphics.Color)	4279291535 (0xFF10CE8F)
YUV	142.0080, 0.4891, -110.5090
Hunter-Lab	67.9970, -47.4839, 18.4082

Details

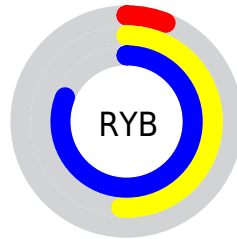
The Yxy color **46.2359, 0.2547, 0.4323** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.0513, 0.5436, 0.2824**, and the grayscale version is **27.0621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5545, 0.2643, 0.4019**, and **22.5854, 0.2608, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **45.9734, 0.2561, 0.4419**, and if you desaturate by 10%, it is **46.7254, 0.2542, 0.4197**.

Distribution



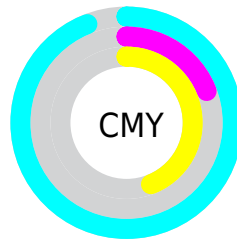
- Red (6%)
- Green (81%)
- Blue (56%)



- Red (6%)
- Yellow (51%)
- Blue (81%)



- Cyan (92%)
- Magenta (0%)
- Yellow (31%)
- Black (19%)





- Cyan (94%)
- Magenta (19%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2359, 0.2547, 0.4323 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 46.2359, 0.2547, 0.4323 by changing the saturation by 10% instead.


 46.2359, 0.2547,
0.4323

 46.2359, 0.2547,
0.4323


371.7562, 0.2852,
0.3773

 32.4320, 0.2466,
0.4471


 84.5719, 0.2661,
0.4115


 21.6917, 0.2360,
0.4667


 109.8729, 0.2703,
0.4040


 13.6305, 0.2215,
0.4938


 139.7749, 0.2738,
0.3977

 7.8642, 0.2006,
0.5336

 174.6626, 0.2768,
0.3924

 4.0081, 0.1683,
0.5966

 214.9201, 0.2793,
0.3878

 1.6781, 0.0252,
0.8370

260.9320, 0.2815,

 0.4094, 0.0000,

0.3838

1.0000

313.0825, 0.2835,
0.3804

■ 0.0000, 0.0000,
0.0000

■ 46.2359, 0.2547,
0.4323

■ 46.2359, 0.2547,
0.4323

■ 45.9734, 0.2561,
0.4419

■ 46.7254, 0.2542,
0.4197

■ 47.4395, 0.2558,
0.4069

■ 48.4123, 0.2593,
0.3943

■ 49.6703, 0.2647,
0.3819

■ 51.2368, 0.2717,
0.3702

■ 53.1327, 0.2801,
0.3591

■ 55.3769, 0.2895,
0.3488

■ 57.9870, 0.2996,
0.3394

■ 60.9792, 0.3102,
0.3308

Harmonies

Analogous

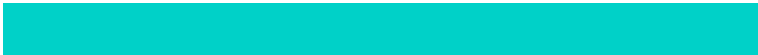
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2359, 0.3322, 0.4830



46.2359, 0.2547, 0.4323



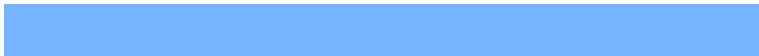
46.2359, 0.1973, 0.3417

Triad

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



46.2359, 0.2547, 0.4323



46.2359, 0.2111, 0.2034



46.2359, 0.4780, 0.3601

Complementary

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



46.2359, 0.2547, 0.4323



14.0513, 0.5436, 0.2824

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.



46.2359, 0.4387, 0.3011



46.2359, 0.2547, 0.4323



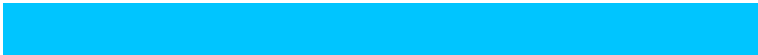
46.2359, 0.2747, 0.2158

Square

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



46.2359, 0.2547, 0.4323



46.2359, 0.1766, 0.2173



46.2359, 0.3594, 0.2503



46.2359, 0.4640, 0.4206

Rectangle

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



46.2359, 0.2547, 0.4323



46.2359, 0.1765, 0.2856



46.2359, 0.3594, 0.2503



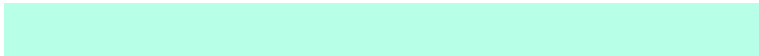
46.2359, 0.4708, 0.3400

Sweetspot

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



46.2377, 0.2547, 0.4323



87.4500, 0.2837, 0.3549



45.8550, 0.3206, 0.5785



18.3953, 0.2797, 0.3595



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.



46.2377, 0.2547, 0.4323



74.4418, 0.2565, 0.4434



34.9589, 0.2120, 0.2791



12.6614, 0.3027, 0.3368



28.3257, 0.2556, 0.4401



1.4750, 0.2488, 0.4156

Inverse Universe

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



14.0513, 0.5436, 0.2824



21.9077, 0.5698, 0.2912



15.2365, 0.6063, 0.3475



11.2740, 0.3239, 0.3213



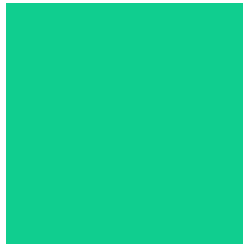
8.3550, 0.5628, 0.2874



0.4451, 0.5071, 0.2567

Previews

White Background



This preview shows how the Yxy color 46.2359, 0.2547, 0.4323 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 46.2359, 0.2547, 0.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

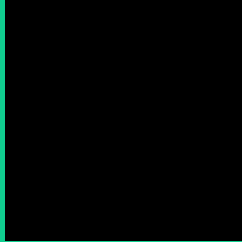
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2359, 0.2547, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 46.2359, 0.2547, 0.4323.

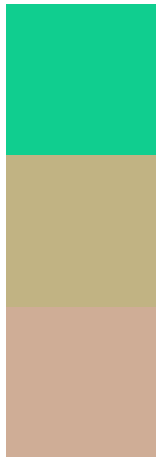


This preview shows how white text looks on a background with the Yxy color 46.2359, 0.2547, 0.4323.

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

46.2359, 0.2547, 0.4323

Protanopia

45.2163, 0.3658, 0.3918

Deuteranopia

45.3545, 0.3645, 0.3579



Tritanopia

46.0762, 0.2295, 0.3058

Trichromacy



Original Color

46.2359, 0.2547, 0.4323



Protanomaly

42.8116, 0.3042, 0.4118



Deuteranomaly

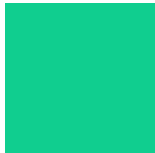
42.1229, 0.3020, 0.3863



Tritanomaly

45.6432, 0.2365, 0.3471

Monochromacy



Original Color

46.2359, 0.2547, 0.4323



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.3501, 0.2727, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2359, 0.2547, 0.4323 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(16, 206, 143)` looks like.

```
.text, #text, p{  
    color:rgb(16, 206, 143)  
}
```

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(16, 206, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 206, 143) }
```

Border

The CSS property to change the border of an element to Yxy 46.2359, 0.2547, 0.4323 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(16, 206, 143) }
```

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

```
.border{ border-color:rgb(16, 206, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 206, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 206, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 206, 143);  
box-shadow:4px 4px 4px 4px rgb(16, 206,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2359, 0.2547, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 206, 143) }
```

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

```
.background{ background-color: rgb(16, 206,  
143) }
```

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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