

Converting Colors

$Yxy(46.4802, 0.2954, 0.5545)$

Have a look what the booklet for
Yxy(46.4802, 0.2954, 0.5545)
contains.

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Color

Yxy(46.5066, 0.2955, 0.5550)

Conversions

Conversions Part 1

Format	Color
Hex	2CD140
RGB	44, 209, 64
RGB Percent	17%, 82%, 25%
CMY	0.8279, 0.1804, 0.7489
CMYK	0.79, 0.00, 0.69, 0.18
HSL	127°, 65%, 50%
HSV	127°, 79%, 82%
XYZ	24.7616, 46.5066, 12.5275
YIQ	143.1350, -51.7950, -80.0750

Conversions

Conversions Part 2

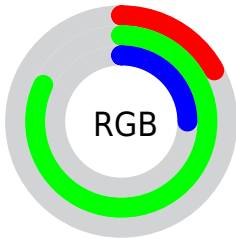
Format	Color
RYB	44, 191, 209
Decimal	2937152
CIELab	73.87, -68.05, 57.68
CIELCh	74, 89.203, 139.714
Yxy	46.5066, 0.2955, 0.5550
Android (android.graphics.Color)	4281127232 (0xFF2CD140)
YUV	143.1350, -39.0136, -86.9414
Hunter-Lab	68.1957, -54.5299, 36.8455

Details

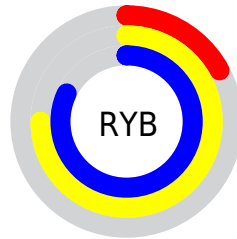
The Yxy color **46.5066, 0.2955, 0.5550** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **19.0167, 0.3457, 0.1808**, and the grayscale version is **27.6882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7035, 0.3042, 0.5011**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.9818, 0.2962, 0.5762**, and if you desaturate by 10%, it is **47.3366, 0.2957, 0.5281**.

Distribution



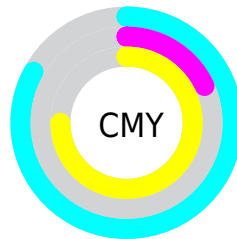
- Red (17%)
- Green (82%)
- Blue (25%)



- Red (17%)
- Yellow (75%)
- Blue (82%)



- Cyan (79%)
- Magenta (0%)
- Yellow (69%)
- Black (18%)



- Cyan (83%)
- Magenta (18%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5066, 0.2955, 0.5550 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 46.5066, 0.2955, 0.5550 by changing the saturation by 10% instead.


 46.5066, 0.2955,
0.5550

 46.5066, 0.2955,
0.5550


372.8416, 0.3125,
0.4331

 32.6458, 0.2880,
0.5866


 84.9767, 0.3040,
0.5094


 21.8552, 0.2764,
0.6270


 110.3547, 0.3065,
0.4926


 13.7506, 0.2576,
0.6789


 140.3406, 0.3083,
0.4785

 7.9474, 0.2317,
0.7635

 175.3187, 0.3096,
0.4666

 4.0613, 0.1732,
0.8268

 215.6735, 0.3107,
0.4564

 1.7079, 0.0000,
1.0000

261.7893, 0.3114,

 0.4288, 0.0000,

0.4476

1.0000

314.0505, 0.3120,
0.4399

■ 0.0000, 0.0000,
0.0000

■ 46.5066, 0.2955,
0.5550

■ 46.5066, 0.2955,
0.5550

■ 45.9818, 0.2962,
0.5762

■ 47.3366, 0.2957,
0.5281

■ 45.6992, 0.2976,
0.5905


■ 48.5030, 0.2968,
0.4973


■ 45.6775, 0.2977,
0.5916


■ 50.0392, 0.2987,
0.4649


■ 51.9731, 0.3012,
0.4327

■ 54.3301, 0.3040,
0.4022

 57.1331, 0.3070,
0.3742

 60.4037, 0.3101,
0.3491

 64.1618, 0.3130,
0.3269

 68.4265, 0.3158,
0.3076

Harmonies

Analogous

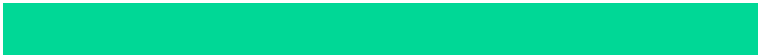
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.5066, 0.4030, 0.5404



46.5066, 0.2955, 0.5550



46.5066, 0.1975, 0.4492

Triad

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



46.5066, 0.2955, 0.5550



46.5066, 0.1391, 0.1660



46.5066, 0.5217, 0.3047

Complementary

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



46.5066, 0.2955, 0.5550



19.0167, 0.3457, 0.1808

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.



46.5066, 0.4162, 0.2373



46.5066, 0.2955, 0.5550



46.5066, 0.1925, 0.1618

Square

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



46.5066, 0.2955, 0.5550



46.5066, 0.1213, 0.2070



46.5066, 0.2883, 0.1866



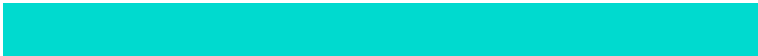
46.5066, 0.5473, 0.3797

Rectangle

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



46.5066, 0.2955, 0.5550



46.5066, 0.1526, 0.3476



46.5066, 0.2883, 0.1866



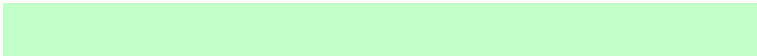
46.5066, 0.4936, 0.2811

Sweetspot

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



46.5085, 0.2955, 0.5550



87.1927, 0.3054, 0.3886



56.7002, 0.3963, 0.5058



18.3352, 0.3044, 0.3989



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.



46.5085, 0.2955, 0.5550



71.7732, 0.2972, 0.5870



48.2042, 0.2588, 0.4302



13.2294, 0.3099, 0.3500



28.1686, 0.2973, 0.5901



1.5830, 0.2903, 0.5649

Inverse Universe

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



19.0167, 0.3457, 0.1808



27.0010, 0.3530, 0.1732



16.4144, 0.4829, 0.2655



11.9832, 0.3156, 0.3088



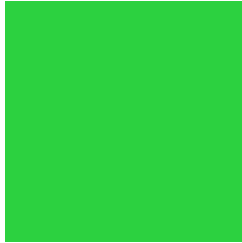
10.4881, 0.3541, 0.1724



0.5936, 0.3472, 0.1686

Previews

White Background



This preview shows how the Yxy color 46.5066, 0.2955, 0.5550 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 46.5066, 0.2955, 0.5550 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

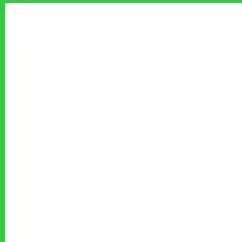
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5066, 0.2955, 0.5550

Background



This preview shows how black text looks on a background with the Yxy color 46.5066, 0.2955, 0.5550.



This preview shows how white text looks on a background with the Yxy color 46.5066, 0.2955, 0.5550.

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

46.5066, 0.2955, 0.5550

Protanopia

45.4846, 0.4258, 0.4679

Deuteranopia

45.3496, 0.4412, 0.4318



Tritanopia

46.1130, 0.2382, 0.3061

Trichromacy



Original Color

46.5066, 0.2955, 0.5550



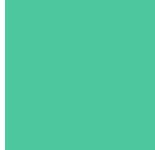
Protanomaly

43.5971, 0.3633, 0.5093



Deuteranomaly

42.4349, 0.3721, 0.4841



Tritanomaly

45.3137, 0.2600, 0.3953

Monochromacy



Original Color

46.5066, 0.2955, 0.5550



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.9781, 0.3024, 0.4220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5066, 0.2955, 0.5550 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(44, 209, 64)` looks like.

```
.text, #text, p{  
    color:rgb(44, 209, 64)  
}
```

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(44, 209, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 209, 64) }
```

Border

The CSS property to change the border of an element to Yxy 46.5066, 0.2955, 0.5550 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(44, 209, 64) }
```

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

```
.border{ border-color:rgb(44, 209, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 209, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 209, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 209, 64);  
box-shadow:4px 4px 4px 4px rgb(44, 209,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5066, 0.2955, 0.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 209, 64) }
```

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

```
.background{ background-color: rgb(44, 209,  
64) }
```

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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