

Converting Colors

$Yxy(46.4601, 0.2883, 0.5408)$

Have a look what the booklet for
Yxy(46.4601, 0.2883, 0.5408)
contains.

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Color

Yxy(46.4601, 0.2883, 0.5408)

Conversions

Conversions Part 1

Format	Color
Hex	21D14D
RGB	33, 209, 77
RGB Percent	13%, 82%, 30%
CMY	0.8704, 0.1804, 0.6981
CMYK	0.84, 0.00, 0.63, 0.18
HSL	135°, 73%, 47%
HSV	135°, 84%, 82%
XYZ	24.7678, 46.4601, 14.6820
YIQ	141.3280, -62.5240, -78.3640

Conversions

Conversions Part 2

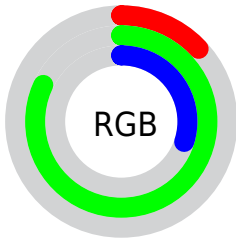
Format	Color
RYB	33, 174, 209
Decimal	2216269
CIELab	73.84, -67.89, 52.34
CIELCh	74, 85.726, 142.368
Yxy	46.4601, 0.2883, 0.5408
Android (android.graphics.Color)	4280406349 (0xFF21D14D)
YUV	141.3280, -31.7137, -95.0037
Hunter-Lab	68.1616, -54.4215, 34.9421

Details

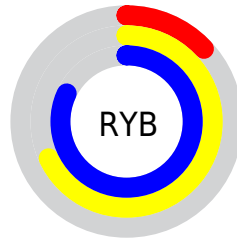
The Yxy color **46.4601, 0.2883, 0.5408** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **17.3637, 0.3814, 0.1969**, and the grayscale version is **26.9220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6694, 0.2970, 0.4879**, and **22.8261, 0.2972, 0.5898** is the 20% darker color. If you saturate the color by 10%, you get **46.0218, 0.2906, 0.5618**, and if you desaturate by 10%, it is **47.1694, 0.2874, 0.5158**.

Distribution



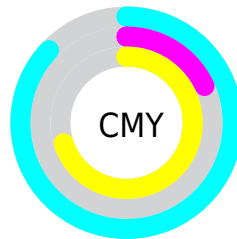
- Red (13%)
- Green (82%)
- Blue (30%)



- Red (13%)
- Yellow (68%)
- Blue (82%)



- Cyan (84%)
- Magenta (0%)
- Yellow (63%)
- Black (18%)




- Cyan (87%)
- Magenta (18%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4601, 0.2883, 0.5408 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 46.4601, 0.2883, 0.5408 by changing the saturation by 10% instead.


 46.4601, 0.2883,
0.5408


 46.4601, 0.2883,
0.5408


372.6553, 0.3076,
0.4260

 32.6090, 0.2808,
0.5712


 84.9072, 0.2972,
0.4975


 21.8271, 0.2695,
0.6104


 110.2720, 0.3000,
0.4817

 13.7299, 0.2517,
0.6621


 140.2435, 0.3021,
0.4685

 7.9331, 0.2241,
0.7369

 175.2061, 0.3037,
0.4573

 4.0521, 0.1737,
0.8263

 215.5441, 0.3050,
0.4478

 1.7028, 0.0000,
1.0000

261.6421, 0.3060,

 0.4255, 0.0000,

0.4395

1.0000

313.8844, 0.3069,
0.4324

■ 0.0000, 0.0000,
0.0000

■ 46.4601, 0.2883,
0.5408

■ 46.4601, 0.2883,
0.5408

■ 46.0218, 0.2906,
0.5618

■ 47.1694, 0.2874,
0.5158

■ 45.8521, 0.2922,
0.5720

■ 48.1819, 0.2879,
0.4882

■ 49.5310, 0.2899,
0.4596

■ 51.2442, 0.2929,
0.4313

■ 53.3460, 0.2968,
0.4044

■ 55.8589, 0.3012,
0.3794

■ 58.8036, 0.3059,
0.3569

■ 62.1993, 0.3107,
0.3367

■ 66.0640, 0.3154,
0.3190

Harmonies

Analogous

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



46.4601, 0.3931, 0.5386



46.4601, 0.2883, 0.5408



46.4601, 0.1950, 0.4314

Triad

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



46.4601, 0.2883, 0.5408



46.4601, 0.1470, 0.1691



46.4601, 0.5197, 0.3128

Complementary

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



46.4601, 0.2883, 0.5408



17.3637, 0.3814, 0.1969

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.



46.4601, 0.4234, 0.2457



46.4601, 0.2883, 0.5408



46.4601, 0.2028, 0.1674

Square

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



46.4601, 0.2883, 0.5408



46.4601, 0.1266, 0.2060



46.4601, 0.2996, 0.1941



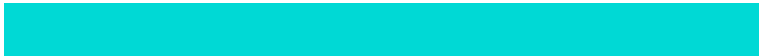
46.4601, 0.5382, 0.3871

Rectangle

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



46.4601, 0.2883, 0.5408



46.4601, 0.1535, 0.3354



46.4601, 0.2996, 0.1941



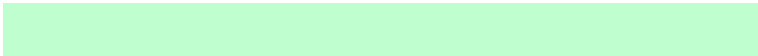
46.4601, 0.4948, 0.2894

Sweetspot

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



46.4620, 0.2883, 0.5408



87.1424, 0.3007, 0.3821



54.0310, 0.3805, 0.5243



18.3416, 0.2991, 0.3908



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.



46.4620, 0.2883, 0.5408



71.8868, 0.2927, 0.5737



48.5377, 0.2486, 0.4028



13.2540, 0.3082, 0.3469



28.2836, 0.2916, 0.5696



1.5944, 0.2813, 0.5328

Inverse Universe

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



17.3637, 0.3814, 0.1969



25.0347, 0.3980, 0.1966



15.2241, 0.5384, 0.2898



11.9565, 0.3175, 0.3117



9.8708, 0.3956, 0.1953



0.5642, 0.3790, 0.1862

Previews

White Background



This preview shows how the Yxy color 46.4601, 0.2883, 0.5408 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 46.4601, 0.2883, 0.5408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

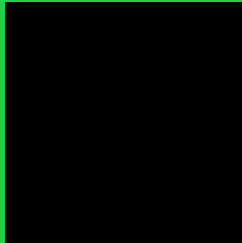
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

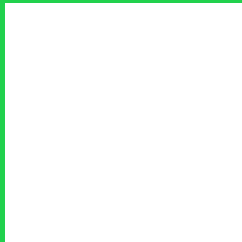
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4601, 0.2883, 0.5408

Background



This preview shows how black text looks on a background with the Yxy color 46.4601, 0.2883, 0.5408.

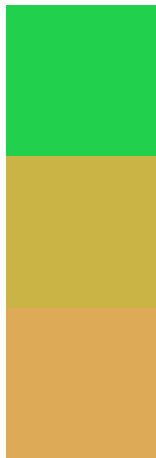


This preview shows how white text looks on a background with the Yxy color 46.4601, 0.2883, 0.5408.

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

46.4601, 0.2883, 0.5408

Protanopia

45.4897, 0.4182, 0.4586

Deuteranopia

45.2026, 0.4318, 0.4230



Tritanopia

46.3572, 0.2360, 0.3061

Trichromacy



Original Color

46.4601, 0.2883, 0.5408



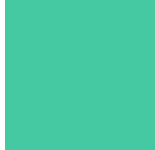
Protanomaly

43.3049, 0.3527, 0.4989



Deuteranomaly

42.1103, 0.3604, 0.4730



Tritanomaly

45.6828, 0.2549, 0.3887

Monochromacy



Original Color

46.4601, 0.2883, 0.5408



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.4052, 0.2953, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4601, 0.2883, 0.5408 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(33, 209, 77)` looks like.

```
.text, #text, p{  
    color:rgb(33, 209, 77)  
}
```

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(33, 209, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 209, 77) }
```

Border

The CSS property to change the border of an element to Yxy 46.4601, 0.2883, 0.5408 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(33, 209, 77) }
```

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

```
.border{ border-color:rgb(33, 209, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 209, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 209, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 209, 77);  
box-shadow:4px 4px 4px 4px rgb(33, 209,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4601, 0.2883, 0.5408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 209, 77) }
```

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

```
.background{ background-color: rgb(33, 209,  
77) }
```

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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