

Converting Colors

$Yxy(46.4988, 0.2934, 0.5449)$

Have a look what the booklet for
Yxy(46.4988, 0.2934, 0.5449)
contains.

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Color

Yxy(46.6497, 0.2933, 0.5452)

Conversions

Conversions Part 1

Format	Color
Hex	2ED148
RGB	46, 209, 72
RGB Percent	18%, 82%, 28%
CMY	0.8198, 0.1804, 0.7175
CMYK	0.78, 0.00, 0.66, 0.18
HSL	130°, 64%, 50%
HSV	130°, 78%, 82%
XYZ	25.0960, 46.6497, 13.8186
YIQ	144.6450, -53.1710, -77.1630

Conversions

Conversions Part 2

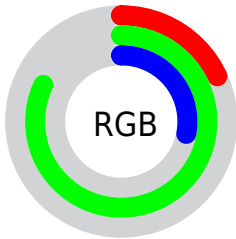
Format	Color
RYB	46, 187, 209
Decimal	3068232
CIELab	73.97, -67.01, 54.60
CIELCh	74, 86.442, 140.825
Yxy	46.6497, 0.2933, 0.5452
Android (android.graphics.Color)	4281258312 (0xFF2ED148)
YUV	144.6450, -35.8140, -86.5117
Hunter-Lab	68.3006, -53.9389, 35.8148

Details

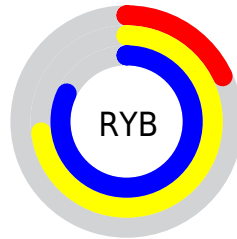
The Yxy color **46.6497, 0.2933, 0.5452** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **18.9212, 0.3537, 0.1869**, and the grayscale version is **28.3242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9483, 0.3018, 0.4927**, and **22.7978, 0.2990, 0.5964** is the 20% darker color. If you saturate the color by 10%, you get **46.0818, 0.2943, 0.5679**, and if you desaturate by 10%, it is **47.5228, 0.2934, 0.5177**.

Distribution



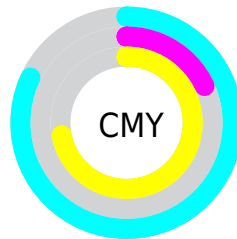
- Red (18%)
- Green (82%)
- Blue (28%)



- Red (18%)
- Yellow (73%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (66%)
- Black (18%)




- Cyan (82%)
- Magenta (18%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6497, 0.2933, 0.5452 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 46.6497, 0.2933, 0.5452 by changing the saturation by 10% instead.


 46.6497, 0.2933,
0.5452

 46.6497, 0.2933,
0.5452


373.4145, 0.3105,
0.4284

 32.7588, 0.2861,
0.5758


 85.1905, 0.3016,
0.5013

 21.9417, 0.2751,
0.6151


 110.6092, 0.3041,
0.4852


 13.8141, 0.2574,
0.6664


 140.6393, 0.3060,
0.4718

 7.9915, 0.2309,
0.7433

 175.6652, 0.3074,
0.4604

 4.0895, 0.1782,
0.8218

 216.0713, 0.3085,
0.4507

 1.7238, 0.0000,
1.0000


262.2419, 0.3093,


 0.4390, 0.0000,

0.4423

1.0000


314.5615, 0.3100,
0.4349


 0.0000, 0.0000,
0.0000


 46.6497, 0.2933,
0.5452


 46.6497, 0.2933,
0.5452


 46.0818, 0.2943,
0.5679


 47.5228, 0.2934,
0.5177


 45.7635, 0.2961,
0.5844

 48.7308, 0.2946,
0.4873

 45.7159, 0.2964,
0.5870


 50.3058, 0.2968,
0.4559


 52.2748, 0.2996,
0.4251

 54.6622, 0.3029,
0.3962

 57.4903, 0.3064,
0.3697

 60.7799, 0.3099,
0.3460

 64.5505, 0.3134,
0.3251

 68.8205, 0.3167,
0.3068

Harmonies

Analogous

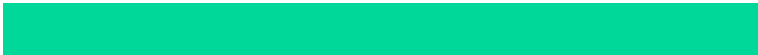
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6497, 0.3985, 0.5371



46.6497, 0.2933, 0.5452



46.6497, 0.1983, 0.4396

Triad

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



46.6497, 0.2933, 0.5452



46.6497, 0.1443, 0.1692



46.6497, 0.5178, 0.3088

Complementary

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



46.6497, 0.2933, 0.5452



18.9212, 0.3537, 0.1869

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.



46.6497, 0.4178, 0.2420



46.6497, 0.2933, 0.5452



46.6497, 0.1983, 0.1660

Square

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



46.6497, 0.2933, 0.5452



46.6497, 0.1256, 0.2083



46.6497, 0.2935, 0.1914



46.6497, 0.5405, 0.3830

Rectangle

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



46.6497, 0.2933, 0.5452



46.6497, 0.1551, 0.3424



46.6497, 0.2935, 0.1914



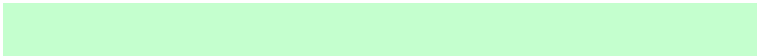
46.6497, 0.4914, 0.2855

Sweetspot

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



46.6516, 0.2933, 0.5452



87.7461, 0.3045, 0.3832



56.0584, 0.3913, 0.5079



18.4459, 0.3033, 0.3931



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.



46.6516, 0.2933, 0.5452



71.8872, 0.2956, 0.5802



48.4481, 0.2562, 0.4194



13.2367, 0.3094, 0.3491



28.1950, 0.2959, 0.5853



1.5864, 0.2875, 0.5550

Inverse Universe

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



18.9212, 0.3537, 0.1869



26.6013, 0.3637, 0.1795



16.4856, 0.4900, 0.2718



11.9752, 0.3162, 0.3097



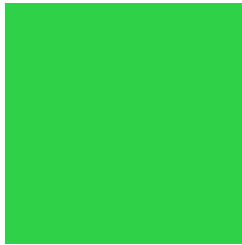
10.2919, 0.3657, 0.1788



0.5844, 0.3561, 0.1736

Previews

White Background



This preview shows how the Yxy color 46.6497, 0.2933, 0.5452 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 46.6497, 0.2933, 0.5452 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 46.6497, 0.2933, 0.5452

Background



This preview shows how black text looks on a background with the Yxy color 46.6497, 0.2933, 0.5452.

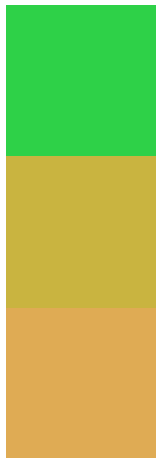


This preview shows how white text looks on a background with the Yxy color 46.6497, 0.2933, 0.5452.

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

46.6497, 0.2933, 0.5452

Protanopia

45.4302, 0.4209, 0.4626

Deuteranopia

45.4539, 0.4365, 0.4258



Tritanopia

46.5627, 0.2386, 0.3076

Trichromacy



Original Color

46.6497, 0.2933, 0.5452



Protanomaly

43.6866, 0.3596, 0.5016



Deuteranomaly

42.6480, 0.3685, 0.4748



Tritanomaly

45.8891, 0.2596, 0.3932

Monochromacy



Original Color

46.6497, 0.2933, 0.5452



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.5645, 0.3010, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6497, 0.2933, 0.5452 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(46, 209, 72)` looks like.

```
.text, #text, p{  
    color:rgb(46, 209, 72)  
}
```

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(46, 209, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 209, 72) }
```

Border

The CSS property to change the border of an element to Yxy 46.6497, 0.2933, 0.5452 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(46, 209, 72) }
```

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

```
.border{ border-color:rgb(46, 209, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 209, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 209, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 209, 72);  
box-shadow:4px 4px 4px 4px rgb(46, 209,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6497, 0.2933, 0.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 209, 72) }
```

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

```
.background{ background-color: rgb(46, 209,  
72) }
```

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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