

Converting Colors

$Y_{xy}(52.3508, 0.2948, 0.5812)$

Have a look what the booklet for
Yxy(52.3508, 0.2948, 0.5812)
contains.

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Color

Yxy(52.4320, 0.2948, 0.5811)

Conversions

Conversions Part 1

Format	Color
Hex	01DE2D
RGB	1, 222, 45
RGB Percent	0%, 87%, 18%
CMY	0.9978, 0.1294, 0.8236
CMYK	1.00, 0.00, 0.80, 0.13
HSL	132°, 100%, 44%
HSV	132°, 100%, 87%
XYZ	26.5995, 52.4320, 11.1974
YIQ	135.7430, -74.8990, -101.8990

Conversions

Conversions Part 2

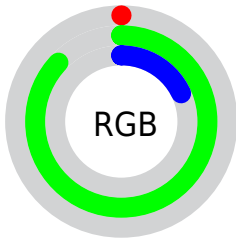
Format	Color
RYB	1, 185, 222
Decimal	122413
CIELab	77.54, -76.13, 67.57
CIELCh	78, 101.794, 138.409
Yxy	52.4320, 0.2948, 0.5811
Android (android.graphics.Color)	4278312493 (0xFF01DE2D)
YUV	135.7430, -44.7363, -118.1696
Hunter-Lab	72.4099, -61.1462, 41.5184

Details

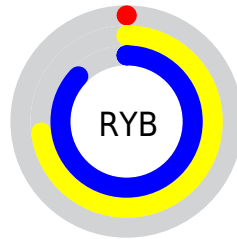
The Yxy color **52.4320, 0.2948, 0.5811** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **18.7386, 0.3798, 0.1867**, and the grayscale version is **24.6561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8549, 0.3059, 0.5187**, and **26.9103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **52.4272, 0.2948, 0.5815**, and if you desaturate by 10%, it is **52.7763, 0.2925, 0.5642**.

Distribution



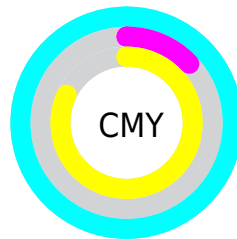
- Red (0%)
- Green (87%)
- Blue (18%)



- Red (0%)
- Yellow (73%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4320, 0.2948, 0.5811 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 52.4320, 0.2948, 0.5811 by changing the saturation by 10% instead.


 52.4320, 0.2948,
0.5811


 52.4320, 0.2948,
0.5811

396.1021, 0.3144,
0.4482


 37.3495, 0.2861,
0.6139


 93.7680, 0.3047,
0.5325

 25.4782, 0.2729,
0.6545


 120.7904, 0.3076,
0.5142

 16.4337, 0.2521,
0.7047


 152.5615, 0.3097,
0.4988


 9.8316, 0.2224,
0.7776

 189.4658, 0.3113,
0.4856

 5.2874, 0.1663,
0.8337

 231.8875, 0.3124,
0.4743

 2.4169, 0.0000,
1.0000


 280.2113, 0.3133,


 0.8346, 0.0000,


0.4644

1.0000

334.8213, 0.3139,
0.4558


 0.0000, 0.0000,
0.0000


 52.4320, 0.2948,
0.5811


 52.4320, 0.2948,
0.5811


 52.4272, 0.2948,
0.5815

 52.7763, 0.2925,
0.5642

 53.3842, 0.2910,
0.5418

 54.3259, 0.2907,
0.5151

 55.6426, 0.2918,
0.4857

 57.3697, 0.2940,
0.4554

■ 59.5383, 0.2970,
0.4257

■ 62.1764, 0.3006,
0.3977

■ 65.3096, 0.3046,
0.3720

■ 68.9619, 0.3087,
0.3489

Harmonies

Analogous

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



52.4320, 0.4090, 0.5522



52.4320, 0.2948, 0.5811



52.4320, 0.1903, 0.4694

Triad

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



52.4320, 0.2948, 0.5811



52.4320, 0.1265, 0.1556



52.4320, 0.5373, 0.2968

Complementary

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



52.4320, 0.2948, 0.5811



18.7386, 0.3798, 0.1867

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.



52.4320, 0.4190, 0.2272



52.4320, 0.2948, 0.5811



52.4320, 0.1800, 0.1504

Square

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



52.4320, 0.2948, 0.5811



52.4320, 0.1092, 0.1991



52.4320, 0.2798, 0.1752



52.4320, 0.5660, 0.3741

Rectangle

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



52.4320, 0.2948, 0.5811



52.4320, 0.1423, 0.3546



52.4320, 0.2798, 0.1752



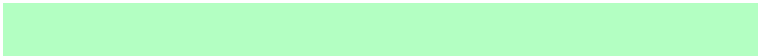
52.4320, 0.5056, 0.2725

Sweetspot

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



52.4342, 0.2948, 0.5811



84.9323, 0.3005, 0.3990



61.6731, 0.3840, 0.5332



17.8362, 0.2989, 0.4107



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.



52.4342, 0.2948, 0.5811



71.7603, 0.2951, 0.5824



54.6305, 0.2530, 0.4307



15.3820, 0.3089, 0.3483



31.1542, 0.2943, 0.5794



2.1722, 0.2865, 0.5514

Inverse Universe

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



18.7386, 0.3798, 0.1867



25.6124, 0.3806, 0.1870



15.9463, 0.5785, 0.2962



13.8860, 0.3168, 0.3105



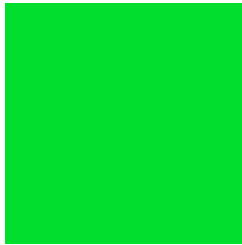
11.1371, 0.3790, 0.1861



0.7841, 0.3683, 0.1803

Previews

White Background



This preview shows how the Yxy color 52.4320, 0.2948, 0.5811 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 52.4320, 0.2948, 0.5811 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

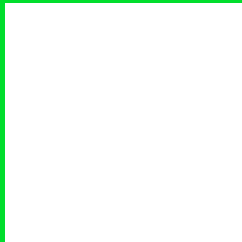
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.4320, 0.2948, 0.5811

Background



This preview shows how black text looks on a background with the Yxy color 52.4320, 0.2948, 0.5811.

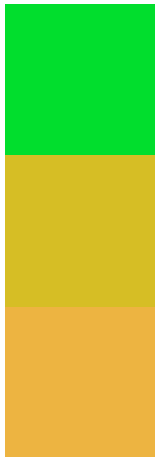


This preview shows how white text looks on a background with the Yxy color 52.4320, 0.2948, 0.5811.

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

52.4385, 0.2948, 0.5810

Protanopia

51.2566, 0.4347, 0.4793

Deuteranopia

51.0287, 0.4526, 0.4425



Tritanopia

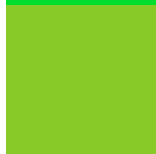
52.2828, 0.2350, 0.3058

Trichromacy



Original Color

52.4385, 0.2948, 0.5810



Protanomaly

47.6285, 0.3564, 0.5363



Deuteranomaly

45.9150, 0.3668, 0.5097



Tritanomaly

50.5200, 0.2569, 0.4107

Monochromacy



Original Color

52.4385, 0.2948, 0.5810



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

30.6429, 0.2948, 0.4472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4320, 0.2948, 0.5811 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(1, 222, 45)` looks like.

```
.text, #text, p{  
    color:rgb(1, 222, 45)  
}
```

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(1, 222, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 222, 45) }
```

Border

The CSS property to change the border of an element to Yxy 52.4320, 0.2948, 0.5811 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(1, 222, 45) }
```

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

```
.border{ border-color:rgb(1, 222, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 222, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 222, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 222, 45);  
box-shadow:4px 4px 4px 4px rgb(1, 222, 45)  
}
```


Background

The CSS property to change the background color of an element to Yxy 52.4320, 0.2948, 0.5811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 222, 45) }
```

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

```
.background{ background-color: rgb(1, 222,  
45) }
```

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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