

Converting Colors

$Yxy(49.0783, 0.2956, 0.5794)$

Have a look what the booklet for
Yxy(49.0783, 0.2956, 0.5794)
contains.

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Color

Yxy(48.8759, 0.2954, 0.5790)

Conversions

Conversions Part 1

Format	Color
Hex	0DD72D
RGB	13, 215, 45
RGB Percent	5%, 84%, 18%
CMY	0.9505, 0.1568, 0.8235
CMYK	0.94, 0.00, 0.79, 0.16
HSL	130°, 89%, 45%
HSV	130°, 94%, 84%
XYZ	24.9360, 48.8759, 10.6024
YIQ	135.2220, -65.8220, -95.6940

Conversions

Conversions Part 2

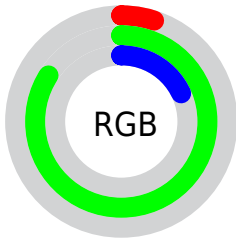
Format	Color
RYB	13, 187, 215
Decimal	907053
CIELab	75.37, -73.77, 65.53
CIELCh	75, 98.670, 138.385
Yxy	48.8759, 0.2954, 0.5790
Android (android.graphics.Color)	4279097133 (0xFF0DD72D)
YUV	135.2220, -44.4794, -107.1887
Hunter-Lab	69.9113, -58.6773, 39.9462

Details

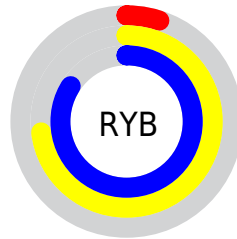
The Yxy color **48.8759, 0.2954, 0.5790** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **18.1301, 0.3632, 0.1796**, and the grayscale version is **24.4604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8345, 0.3063, 0.5198**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.7235, 0.2965, 0.5872**, and if you desaturate by 10%, it is **49.3075, 0.2938, 0.5601**.

Distribution



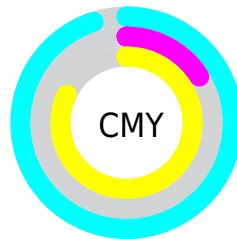
- Red (5%)
- Green (84%)
- Blue (18%)



- Red (5%)
- Yellow (73%)
- Blue (84%)



- Cyan (94%)
- Magenta (0%)
- Yellow (79%)
- Black (16%)





- Cyan (95%)
- Magenta (16%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8759, 0.2954, 0.5790 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 48.8759, 0.2954, 0.5790 by changing the saturation by 10% instead.


 48.8759, 0.2954,
0.5790


 48.8759, 0.2954,
0.5790


382.2536, 0.3147,
0.4457


 34.5210, 0.2866,
0.6124


 88.5071, 0.3053,
0.5298


 23.2942, 0.2731,
0.6541


 114.5523, 0.3081,
0.5114


 14.8109, 0.2517,
0.7060


 145.2630, 0.3101,
0.4960

 8.6868, 0.2199,
0.7801

 181.0236, 0.3116,
0.4829

 4.5374, 0.1608,
0.8392

 222.2186, 0.3127,
0.4716

 1.9785, 0.0000,
1.0000

 269.2323, 0.3136,

 0.5949, 0.0000,


0.4618


1.0000


322.4492, 0.3142,
0.4532


 0.0000, 0.0000,
0.0000


 48.8759, 0.2954,
0.5790


 48.8759, 0.2954,
0.5790


 48.7235, 0.2965,
0.5872

 49.3075, 0.2938,
0.5601

 50.0317, 0.2932,
0.5353

 51.0932, 0.2938,
0.5065

 52.5277, 0.2954,
0.4754

 54.3660, 0.2978,
0.4440

■ 56.6360, 0.3008,
0.4138

■ 59.3628, 0.3042,
0.3857

■ 62.5698, 0.3077,
0.3602

■ 66.2786, 0.3113,
0.3375

Harmonies

Analogous

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



48.8759, 0.4090, 0.5509



48.8759, 0.2954, 0.5790



48.8759, 0.1913, 0.4684

Triad

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



48.8759, 0.2954, 0.5790



48.8759, 0.1274, 0.1566



48.8759, 0.5356, 0.2972

Complementary

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



48.8759, 0.2954, 0.5790



18.1301, 0.3632, 0.1796

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.



48.8759, 0.4181, 0.2277



48.8759, 0.2954, 0.5790



48.8759, 0.1807, 0.1514

Square

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



48.8759, 0.2954, 0.5790



48.8759, 0.1102, 0.2001



48.8759, 0.2800, 0.1760



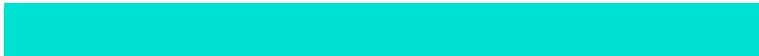
48.8759, 0.5645, 0.3743

Rectangle

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



48.8759, 0.2954, 0.5790



48.8759, 0.1434, 0.3547



48.8759, 0.2800, 0.1760



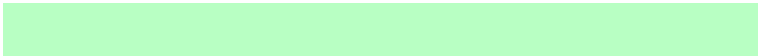
48.8759, 0.5041, 0.2729

Sweetspot

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



48.8779, 0.2954, 0.5790



85.6023, 0.3028, 0.3970



58.9048, 0.3934, 0.5231



17.9568, 0.3013, 0.4094



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.



48.8779, 0.2954, 0.5790



71.6787, 0.2967, 0.5883



50.7074, 0.2568, 0.4413



13.9281, 0.3094, 0.3492



29.1499, 0.2959, 0.5854



1.7685, 0.2880, 0.5569

Inverse Universe

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



18.1301, 0.3632, 0.1796



26.1251, 0.3670, 0.1795



15.3585, 0.5430, 0.2804



12.5970, 0.3162, 0.3096



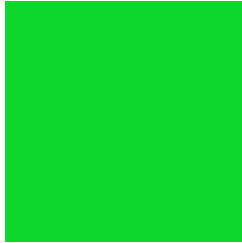
10.6398, 0.3657, 0.1788



0.6511, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 48.8759, 0.2954, 0.5790 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 48.8759, 0.2954, 0.5790 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 48.8759, 0.2954, 0.5790

Background



This preview shows how black text looks on a background with the Yxy color 48.8759, 0.2954, 0.5790.



This preview shows how white text looks on a background with the Yxy color 48.8759, 0.2954, 0.5790.

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

48.8759, 0.2954, 0.5790

Protanopia

47.6799, 0.4340, 0.4789

Deuteranopia

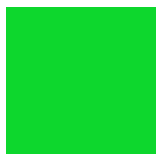
47.8418, 0.4521, 0.4427



Tritanopia

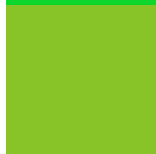
48.4920, 0.2353, 0.3051

Trichromacy



Original Color

48.8759, 0.2954, 0.5790



Protanomaly

44.4177, 0.3600, 0.5322



Deuteranomaly

43.6917, 0.3705, 0.5076



Tritanomaly

47.0199, 0.2584, 0.4097

Monochromacy



Original Color

48.8759, 0.2954, 0.5790



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

29.6839, 0.2976, 0.4442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8759, 0.2954, 0.5790 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(13, 215, 45)` looks like.

```
.text, #text, p{  
    color:rgb(13, 215, 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(13, 215, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 215, 45) }
```

Border

The CSS property to change the border of an element to Yxy 48.8759, 0.2954, 0.5790 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(13, 215, 45) }
```

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

```
.border{ border-color:rgb(13, 215, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 215, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 215, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 215, 45);  
box-shadow:4px 4px 4px 4px rgb(13, 215,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8759, 0.2954, 0.5790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 215, 45) }
```

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

```
.background{ background-color: rgb(13, 215,  
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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