

Converting Colors

Yxy(47.8123, 0.2798, 0.5196)

Have a look what the booklet for
Yxy(47.8123, 0.2798, 0.5196)
contains.

Yxy(48.0545, 0.2799, 0.5199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.0545, 0.2799, 0.5199)

Conversions

Conversions Part 1

Format	Color
Hex	15D45E
RGB	21, 212, 94
RGB Percent	8%, 83%, 37%
CMY	0.9182, 0.1686, 0.6313
CMYK	0.90, 0.00, 0.56, 0.17
HSL	143°, 82%, 46%
HSV	143°, 90%, 83%
XYZ	25.8712, 48.0545, 18.5045
YIQ	141.4390, -75.9580, -77.1900

Conversions

Conversions Part 2

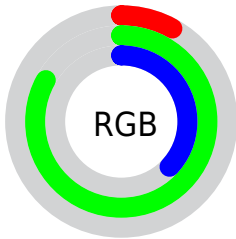
Format	Color
RYB	21, 159, 212
Decimal	1430622
CIELab	74.86, -67.60, 45.87
CIELCh	75, 81.692, 145.839
Yxy	48.0545, 0.2799, 0.5199
Android (android.graphics.Color)	4279620702 (0xFF15D45E)
YUV	141.4390, -23.3874, -105.6250
Hunter-Lab	69.3214, -54.6949, 32.6982

Details

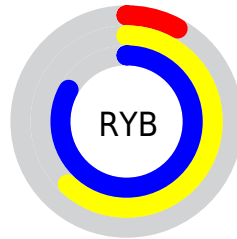
The Yxy color **48.0545, 0.2799, 0.5199** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **16.3887, 0.4316, 0.2206**, and the grayscale version is **26.9179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8778, 0.2883, 0.4683**, and **23.9441, 0.2901, 0.5645** is the 20% darker color. If you saturate the color by 10%, you get **47.6864, 0.2831, 0.5393**, and if you desaturate by 10%, it is **48.6473, 0.2780, 0.4979**.

Distribution



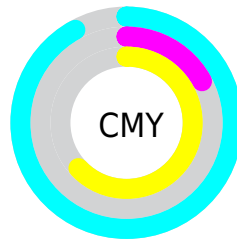
- Red (8%)
- Green (83%)
- Blue (37%)



- Red (8%)
- Yellow (62%)
- Blue (83%)



- Cyan (90%)
- Magenta (0%)
- Yellow (56%)
- Black (17%)





- Cyan (92%)
- Magenta (17%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0545, 0.2799, 0.5199 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 48.0545, 0.2799, 0.5199 by changing the saturation by 10% instead.


 48.0545, 0.2799,
0.5199


 48.0545, 0.2799,
0.5199

379.0081, 0.3017,
0.4167

 33.8700, 0.2725,
0.5474


 87.2855, 0.2892,
0.4809


 22.7938, 0.2618,
0.5834


 113.1009, 0.2923,
0.4667

 14.4413, 0.2456,
0.6317


 143.5621, 0.2948,
0.4548

 8.4282, 0.2195,
0.6980

 179.0534, 0.2967,
0.4448

 4.3702, 0.1819,
0.8181

 219.9592, 0.2983,
0.4363

 1.8827, 0.0000,
1.0000


266.6641, 0.2997,


 0.5380, 0.0000,


0.4289


1.0000

319.5522, 0.3008,
0.4224


 0.0000, 0.0000,
0.0000


 48.0545, 0.2799,
0.5199


 48.0545, 0.2799,
0.5199


 47.6864, 0.2831,
0.5393

 48.6473, 0.2780,
0.4979

 49.5161, 0.2779,
0.4744

 50.6973, 0.2797,
0.4502

 52.2201, 0.2830,
0.4264

 54.1103, 0.2876,
0.4035

■ 56.3909, 0.2932,
0.3822

■ 59.0832, 0.2994,
0.3626

■ 62.2069, 0.3059,
0.3450

■ 65.7802, 0.3126,
0.3292

Harmonies

Analogous

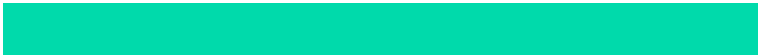
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0545, 0.3805, 0.5328



48.0545, 0.2799, 0.5199



48.0545, 0.1933, 0.4095

Triad

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



48.0545, 0.2799, 0.5199



48.0545, 0.1584, 0.1744



48.0545, 0.5146, 0.3231

Complementary

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



48.0545, 0.2799, 0.5199



16.3887, 0.4316, 0.2206

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.



48.0545, 0.4304, 0.2569



48.0545, 0.2799, 0.5199



48.0545, 0.2169, 0.1758

Square

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



48.0545, 0.2799, 0.5199



48.0545, 0.1349, 0.2063



48.0545, 0.3137, 0.2047



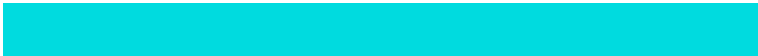
48.0545, 0.5248, 0.3960

Rectangle

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



48.0545, 0.2799, 0.5199



48.0545, 0.1562, 0.3217



48.0545, 0.3137, 0.2047



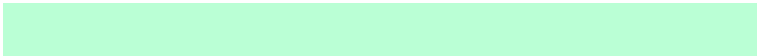
48.0545, 0.4937, 0.3001

Sweetspot

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



48.0565, 0.2799, 0.5199



86.7567, 0.2949, 0.3763



52.8873, 0.3598, 0.5465



18.2856, 0.2929, 0.3833



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.



48.0565, 0.2799, 0.5199



72.3942, 0.2837, 0.5412



50.8153, 0.2368, 0.3671



13.9739, 0.3064, 0.3437



29.4554, 0.2824, 0.5367



1.7925, 0.2726, 0.5013

Inverse Universe

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



16.3887, 0.4316, 0.2206



23.7081, 0.4501, 0.2253



14.7291, 0.5986, 0.3158



12.5484, 0.3196, 0.3147



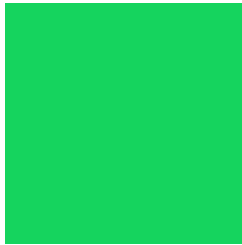
9.6705, 0.4461, 0.2231



0.5992, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 48.0545, 0.2799, 0.5199 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 48.0545, 0.2799, 0.5199 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 48.0545, 0.2799, 0.5199

Background



This preview shows how black text looks on a background with the Yxy color 48.0545, 0.2799, 0.5199.



This preview shows how white text looks on a background with the Yxy color 48.0545, 0.2799, 0.5199.

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

48.0545, 0.2799, 0.5199

Protanopia

47.0794, 0.4072, 0.4466

Deuteranopia

46.8012, 0.4183, 0.4099



Tritanopia

47.6844, 0.2340, 0.3063

Trichromacy



Original Color

48.0545, 0.2799, 0.5199



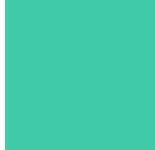
Protanomaly

44.5224, 0.3395, 0.4844



Deuteranomaly

43.2761, 0.3453, 0.4573



Tritanomaly

47.1501, 0.2493, 0.3800

Monochromacy



Original Color

48.0545, 0.2799, 0.5199



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.6341, 0.2870, 0.4055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0545, 0.2799, 0.5199 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(21, 212, 94)` looks like.

```
.text, #text, p{  
    color:rgb(21, 212, 94)  
}
```

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(21, 212, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 212, 94) }
```

Border

The CSS property to change the border of an element to Yxy 48.0545, 0.2799, 0.5199 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(21, 212, 94) }
```

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

```
.border{ border-color:rgb(21, 212, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 212, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 212, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 212, 94);  
box-shadow:4px 4px 4px 4px rgb(21, 212,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0545, 0.2799, 0.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 212, 94) }
```

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

```
.background{ background-color: rgb(21, 212,  
94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor