

Converting Colors

Yxy(52.4021, 0.3279, 0.5011)

Have a look what the booklet for
Yxy(52.4021, 0.3279, 0.5011)
contains.

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Color

Yxy(52.4143, 0.3276, 0.5007)

Conversions

Conversions Part 1

Format	Color
Hex	80D45A
RGB	128, 212, 90
RGB Percent	50%, 83%, 35%
CMY	0.4979, 0.1686, 0.6472
CMYK	0.40, 0.00, 0.58, 0.17
HSL	101°, 59%, 59%
HSV	101°, 58%, 83%
XYZ	34.2938, 52.4143, 17.9739
YIQ	172.9760, -10.9020, -55.7500

Conversions

Conversions Part 2

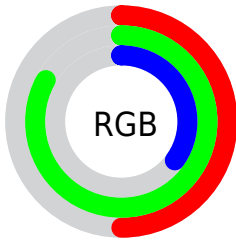
Format	Color
RYB	90, 212, 174
Decimal	8442970
CIELab	77.53, -47.18, 51.54
CIELCh	78, 69.877, 132.471
Yxy	52.4143, 0.3276, 0.5007
Android (android.graphics.Color)	4286633050 (0xFF80D45A)
YUV	172.9760, -40.9072, -39.4440
Hunter-Lab	72.3977, -42.1429, 35.9587

Details

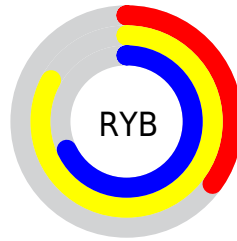
The Yxy color **52.4143, 0.3276, 0.5007** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **21.0504, 0.2780, 0.1774**, and the grayscale version is **41.9965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8479, 0.3304, 0.4557**, and **25.5809, 0.3229, 0.5516** is the 20% darker color. If you saturate the color by 10%, you get **51.0543, 0.3268, 0.5300**, and if you desaturate by 10%, it is **54.0443, 0.3269, 0.4689**.

Distribution



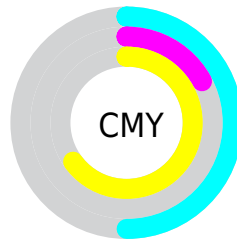
- Red (50%)
- Green (83%)
- Blue (35%)



- Red (35%)
- Yellow (83%)
- Blue (68%)



- Cyan (40%)
- Magenta (0%)
- Yellow (58%)
- Black (17%)




- Cyan (50%)
- Magenta (17%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.4143, 0.3276, 0.5007 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 52.4143, 0.3276, 0.5007 by changing the saturation by 10% instead.

 52.4143, 0.3276,
0.5007

 52.4143, 0.3276,
0.5007


396.0340, 0.3254,
0.4117

 37.3354, 0.3262,
0.5230


 93.7420, 0.3282,
0.4681

 25.4673, 0.3231,
0.5514


 120.7595, 0.3280,
0.4558

 16.4255, 0.3169,
0.5881


 152.5254, 0.3276,
0.4456

 9.8258, 0.3044,
0.6361

 189.4241, 0.3272,
0.4368

 5.2836, 0.2850,
0.7150

231.8399, 0.3268,
0.4292

 2.4146, 0.2229,
0.7771

280.1572, 0.3263,

 0.8334, 0.0000,

0.4226

1.0000

334.7604, 0.3258,
0.4168

■ 0.0000, 0.0000,
0.0000

■ 52.4143, 0.3276,
0.5007

■ 52.4143, 0.3276,
0.5007

■ 51.0543, 0.3268,
0.5300

■ 54.0443, 0.3269,
0.4689

■ 49.9417, 0.3245,
0.5550

■ 55.9520, 0.3251,
0.4365

■ 49.0608, 0.3206,
0.5738

■ 58.1531, 0.3224,
0.4049

■ 48.3889, 0.3158,
0.5860

■ 60.6598, 0.3191,
0.3752

■ 48.2499, 0.3146,
0.5884

■ 63.4839, 0.3155,
0.3479

■ 66.6363, 0.3118,
0.3232

■ 70.1276, 0.3081,
0.3013

■ 73.6702, 0.3074,
0.2861

■ 75.5669, 0.3147,
0.2871

Harmonies

Analogous

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



52.4143, 0.4122, 0.4862



52.4143, 0.3276, 0.5007



52.4143, 0.2437, 0.4408

Triad

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



52.4143, 0.3276, 0.5007



52.4143, 0.1657, 0.2048



52.4143, 0.4562, 0.3003

Complementary

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



52.4143, 0.3276, 0.5007



21.0504, 0.2780, 0.1774

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.



52.4143, 0.3689, 0.2453



52.4143, 0.3276, 0.5007



52.4143, 0.2041, 0.1923

Square

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



52.4143, 0.3276, 0.5007



52.4143, 0.1583, 0.2511



52.4143, 0.2745, 0.2072



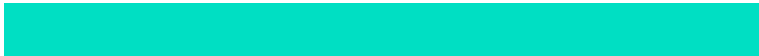
52.4143, 0.4960, 0.3638

Rectangle

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



52.4143, 0.3276, 0.5007



52.4143, 0.1999, 0.3720



52.4143, 0.2745, 0.2072



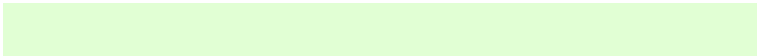
52.4143, 0.4307, 0.2806

Sweetspot

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



52.4165, 0.3276, 0.5007



92.2914, 0.3190, 0.3741



44.7584, 0.4201, 0.4273



19.5797, 0.3197, 0.3799



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.



52.4165, 0.3276, 0.5007



77.1488, 0.3264, 0.5359



50.4362, 0.2933, 0.4818



14.0820, 0.3162, 0.3528



29.8342, 0.3155, 0.5877



1.8429, 0.3289, 0.5770

Inverse Universe

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



21.0504, 0.2780, 0.1774



25.1135, 0.2678, 0.1505



25.0050, 0.3445, 0.2150



12.4294, 0.3088, 0.3057



6.7546, 0.2438, 0.1117



0.4504, 0.2575, 0.1192

Previews

White Background



This preview shows how the Yxy color 52.4143, 0.3276, 0.5007 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 52.4143, 0.3276, 0.5007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

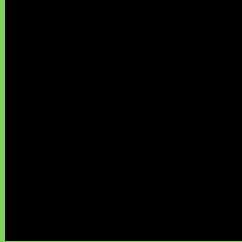
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.4143, 0.3276, 0.5007

Background



This preview shows how black text looks on a background with the Yxy color 52.4143, 0.3276, 0.5007.



This preview shows how white text looks on a background with the Yxy color 52.4143, 0.3276, 0.5007.

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

52.4143, 0.3276, 0.5007

Protanopia

51.8832, 0.4119, 0.4514

Deuteranopia

51.4220, 0.4289, 0.4188



Tritanopia

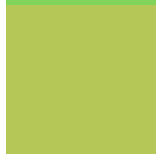
52.1427, 0.2664, 0.3082

Trichromacy



Original Color

52.4143, 0.3276, 0.5007



Protanomaly

51.3425, 0.3774, 0.4708



Deuteranomaly

50.1276, 0.3885, 0.4485



Tritanomaly

51.7507, 0.2897, 0.3764

Monochromacy



Original Color

52.4143, 0.3276, 0.5007



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.6919, 0.3213, 0.3920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4143, 0.3276, 0.5007 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(128, 212, 90)` looks like.

```
.text, #text, p{  
    color:rgb(128, 212, 90)  
}
```

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(128, 212, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 212, 90) }
```

Border

The CSS property to change the border of an element to Yxy 52.4143, 0.3276, 0.5007 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(128, 212, 90) }
```

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

```
.border{ border-color:rgb(128, 212, 90) }
```

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

Here you see how a box with a 4 pixel rgb(128, 212, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 212, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 212, 90);  
box-shadow:4px 4px 4px 4px rgb(128, 212,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4143, 0.3276, 0.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 212, 90) }
```

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

```
.background{ background-color: rgb(128,  
212, 90) }
```

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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