

Converting Colors

$Y_{xy}(50.4472, 0.2945, 0.5256)$

Have a look what the booklet for
Yxy(50.4472, 0.2945, 0.5256)
contains.

Yxy(50.4472, 0.2945, 0.5256)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.4472, 0.2945, 0.5256)

Conversions

Conversions Part 1

Format	Color
Hex	42D757
RGB	66, 215, 87
RGB Percent	26%, 84%, 34%
CMY	0.7413, 0.1568, 0.6588
CMYK	0.69, 0.00, 0.60, 0.16
HSL	128°, 65%, 55%
HSV	128°, 69%, 84%
XYZ	28.2662, 50.4472, 17.2668
YIQ	155.8570, -47.7160, -71.3960

Conversions

Conversions Part 2

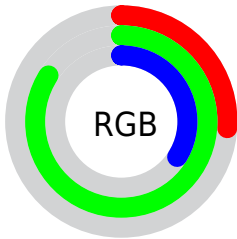
Format	Color
RYB	66, 197, 215
Decimal	4380503
CIELab	76.34, -64.29, 50.96
CIELCh	76, 82.033, 141.598
Yxy	50.4472, 0.2945, 0.5256
Android (android.graphics.Color)	4282570583 (0xFF42D757)
YUV	155.8570, -33.9465, -78.8046
Hunter-Lab	71.0262, -53.2585, 35.3046

Details

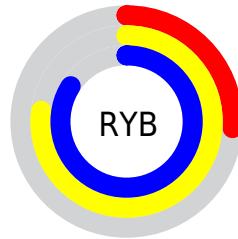
The Yxy color **50.4472, 0.2945, 0.5256** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **22.2337, 0.3448, 0.1931**, and the grayscale version is **33.3463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3486, 0.3015, 0.4717**, and **24.9006, 0.2939, 0.5782** is the 20% darker color. If you saturate the color by 10%, you get **49.5738, 0.2945, 0.5525**, and if you desaturate by 10%, it is **51.6824, 0.2956, 0.4952**.

Distribution



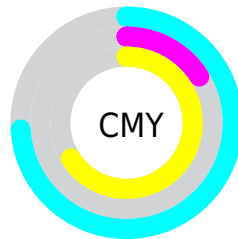
- Red (26%)
- Green (84%)
- Blue (34%)



- Red (26%)
- Yellow (77%)
- Blue (84%)



- Cyan (69%)
- Magenta (0%)
- Yellow (60%)
- Black (16%)




- Cyan (74%)
- Magenta (16%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4472, 0.2945, 0.5256 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 50.4472, 0.2945, 0.5256 by changing the saturation by 10% instead.


 50.4472, 0.2945,
0.5256


 50.4472, 0.2945,
0.5256


388.4122, 0.3096,
0.4208

 35.7689, 0.2885,
0.5529


 90.8371, 0.3016,
0.4865


 24.2557, 0.2796,
0.5880


 117.3175, 0.3038,
0.4720

 15.5234, 0.2654,
0.6342


 148.5006, 0.3054,
0.4600

 9.1876, 0.2419,
0.6961

 184.7710, 0.3067,
0.4497

 4.8637, 0.2053,
0.7947

226.5129, 0.3077,
0.4409

 2.1675, 0.0648,
0.9352

274.1108, 0.3085,

 0.7022, 0.0000,

0.4333

1.0000

327.9491, 0.3091,
0.4267

■ 0.0000, 0.0000,
0.0000

■ 50.4472, 0.2945,
0.5256

■ 50.4472, 0.2945,
0.5256

■ 49.5738, 0.2945,
0.5525

■ 51.6824, 0.2956,
0.4952

■ 49.0166, 0.2954,
0.5739

■ 53.3068, 0.2975,
0.4632


■ 48.7155, 0.2970,
0.5888


■ 55.3521, 0.3001,
0.4316


■ 48.6994, 0.2971,
0.5896


■ 57.8450, 0.3032,
0.4016

■ 60.8100, 0.3064,
0.3741

 64.2700, 0.3097,
0.3494

 68.2462, 0.3129,
0.3276

 72.7585, 0.3160,
0.3086

 76.9679, 0.3157,
0.2917

Harmonies

Analogous

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



50.4472, 0.3940, 0.5252



50.4472, 0.2945, 0.5256



50.4472, 0.2049, 0.4273

Triad

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



50.4472, 0.2945, 0.5256



50.4472, 0.1545, 0.1781



50.4472, 0.5045, 0.3137

Complementary

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



50.4472, 0.2945, 0.5256



22.2337, 0.3448, 0.1931

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.



50.4472, 0.4133, 0.2492



50.4472, 0.2945, 0.5256



50.4472, 0.2074, 0.1752

Square

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



50.4472, 0.2945, 0.5256



50.4472, 0.1357, 0.2154



50.4472, 0.2982, 0.2002



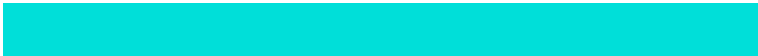
50.4472, 0.5257, 0.3854

Rectangle

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



50.4472, 0.2945, 0.5256



50.4472, 0.1640, 0.3394



50.4472, 0.2982, 0.2002



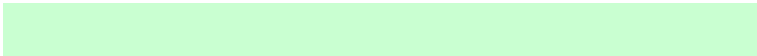
50.4472, 0.4805, 0.2912

Sweetspot

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



50.4493, 0.2945, 0.5256



88.6040, 0.3058, 0.3791



60.6167, 0.3895, 0.4937



18.6973, 0.3049, 0.3866



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.



50.4493, 0.2945, 0.5256



72.5254, 0.2948, 0.5629



52.3115, 0.2592, 0.4118



13.9243, 0.3097, 0.3496



29.1357, 0.2966, 0.5879



1.7667, 0.2893, 0.5616

Inverse Universe

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



22.2337, 0.3448, 0.1931



28.4555, 0.3526, 0.1800



19.7116, 0.4568, 0.2696



12.6011, 0.3159, 0.3092



10.7389, 0.3599, 0.1756



0.6562, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 50.4472, 0.2945, 0.5256 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 50.4472, 0.2945, 0.5256 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

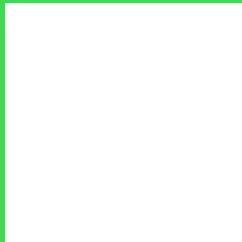
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4472, 0.2945, 0.5256

Background



This preview shows how black text looks on a background with the Yxy color 50.4472, 0.2945, 0.5256.

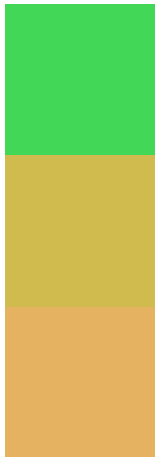


This preview shows how white text looks on a background with the Yxy color 50.4472, 0.2945, 0.5256.

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

50.4472, 0.2945, 0.5256

Protanopia

49.5151, 0.4136, 0.4531

Deuteranopia

49.3806, 0.4265, 0.4176



Tritanopia

50.3063, 0.2417, 0.3070

Trichromacy



Original Color

50.4472, 0.2945, 0.5256



Protanomaly

47.6096, 0.3587, 0.4852



Deuteranomaly

46.6158, 0.3669, 0.4594



Tritanomaly

49.7521, 0.2617, 0.3842

Monochromacy



Original Color

50.4472, 0.2945, 0.5256



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.2939, 0.3026, 0.4033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4472, 0.2945, 0.5256 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(66, 215, 87)` looks like.

```
.text, #text, p{  
    color:rgb(66, 215, 87)  
}
```

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(66, 215, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 215, 87) }
```

Border

The CSS property to change the border of an element to Yxy 50.4472, 0.2945, 0.5256 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(66, 215, 87) }
```

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

```
.border{ border-color:rgb(66, 215, 87) }
```

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

Here you see how a box with a 4 pixel rgb(66, 215, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 215, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 215, 87);  
box-shadow:4px 4px 4px 4px rgb(66, 215,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4472, 0.2945, 0.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 215, 87) }
```

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

```
.background{ background-color: rgb(66, 215,  
87) }
```

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