

Converting Colors

$Y_{xy}(42.1928, 0.3079, 0.5169)$

Have a look what the booklet for
Yxy(42.1928, 0.3079, 0.5169)
contains.

Yxy(42.0706, 0.3083, 0.5172)	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(42.0706, 0.3083, 0.5172)

Conversions

Conversions Part 1

Format	Color
Hex	57C44F
RGB	87, 196, 79
RGB Percent	34%, 77%, 31%
CMY	0.6590, 0.2313, 0.6902
CMYK	0.56, 0.00, 0.60, 0.23
HSL	116°, 50%, 54%
HSV	116°, 60%, 77%
XYZ	25.0780, 42.0706, 14.1944
YIQ	150.0710, -27.4070, -59.4950

Conversions

Conversions Part 2

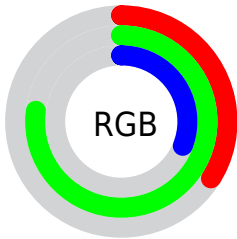
Format	Color
RYB	79, 196, 188
Decimal	5751887
CIELab	70.92, -53.96, 48.45
CIElCh	71, 72.521, 138.080
Yxy	42.0706, 0.3083, 0.5172
Android (android.graphics.Color)	4283941967 (0xFF57C44F)
YUV	150.0710, -35.0380, -55.3133
Hunter-Lab	64.8619, -44.4934, 32.4283

Details

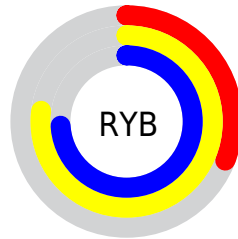
The Yxy color **42.0706, 0.3083, 0.5172** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **20.2755, 0.3098, 0.1874**, and the grayscale version is **30.6866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0275, 0.3131, 0.4776**, and **19.1651, 0.2961, 0.5798** is the 20% darker color. If you saturate the color by 10%, you get **41.0575, 0.3066, 0.5479**, and if you desaturate by 10%, it is **43.3938, 0.3098, 0.4830**.

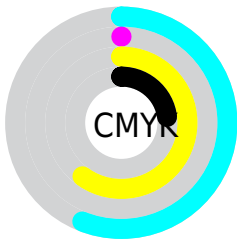
Distribution



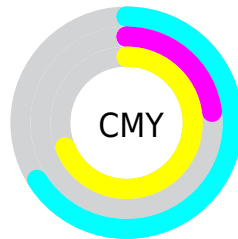
- Red (34%)
- Green (77%)
- Blue (31%)



- Red (31%)
- Yellow (77%)
- Blue (74%)



- Cyan (56%)
- Magenta (0%)
- Yellow (60%)
- Black (23%)




- Cyan (66%)
- Magenta (23%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0706, 0.3083, 0.5172 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 42.0706, 0.3083, 0.5172 by changing the saturation by 10% instead.


 42.0706, 0.3083,
0.5172

 42.0706, 0.3083,
0.5172

354.7755, 0.3164,
0.4148


 29.1566, 0.3038,
0.5446


 78.3065, 0.3129,
0.4784

 19.1993, 0.2963,
0.5803


 102.3971, 0.3142,
0.4643


 11.8144, 0.2833,
0.6280


 130.9821, 0.3150,
0.4525

 6.6174, 0.2627,
0.7013

 164.4457, 0.3155,
0.4426

 3.2240, 0.2153,
0.7847

 203.1725, 0.3159,
0.4341

 1.2498, 0.0000,
1.0000

247.5468, 0.3161,

 0.1018, 0.0000,

0.4268

1.0000

297.9530, 0.3163,
0.4204

■ 0.0000, 0.0000,
0.0000

■ 42.0706, 0.3083,
0.5172

■ 42.0706, 0.3083,
0.5172

■ 41.0575, 0.3066,
0.5479

■ 43.3938, 0.3098,
0.4830

■ 40.3245, 0.3047,
0.5726

■ 45.0438, 0.3109,
0.4480

■ 39.8446, 0.3028,
0.5894

■ 47.0424, 0.3117,
0.4139

■ 39.5777, 0.3014,
0.5987

■ 49.4081, 0.3123,
0.3822

■ 39.5721, 0.3014,
0.5989

■ 52.1580, 0.3126,
0.3536

■ 55.3081, 0.3127,
0.3283

■ 58.8736, 0.3127,
0.3061

■ 62.8688, 0.3126,
0.2870

■ 67.2813, 0.3127,
0.2708

Harmonies

Analogous

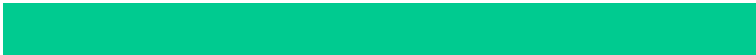
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.0706, 0.4025, 0.5100



42.0706, 0.3083, 0.5172



42.0706, 0.2201, 0.4348

Triad

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



42.0706, 0.3083, 0.5172



42.0706, 0.1579, 0.1878



42.0706, 0.4860, 0.3081

Complementary

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



42.0706, 0.3083, 0.5172



20.2755, 0.3098, 0.1874

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.



42.0706, 0.3950, 0.2470



42.0706, 0.3083, 0.5172



42.0706, 0.2051, 0.1811

Square

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



42.0706, 0.3083, 0.5172



42.0706, 0.1437, 0.2290



42.0706, 0.2877, 0.2022



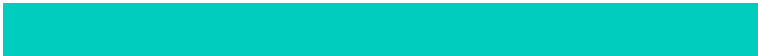
42.0706, 0.5158, 0.3767

Rectangle

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



42.0706, 0.3083, 0.5172



42.0706, 0.1775, 0.3535



42.0706, 0.2877, 0.2022



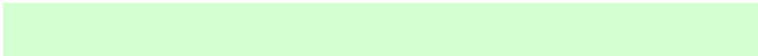
42.0706, 0.4609, 0.2866

Sweetspot

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



42.0724, 0.3083, 0.5172



90.1583, 0.3123, 0.3780



47.5281, 0.4031, 0.4584



19.0051, 0.3122, 0.3869



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.



42.0724, 0.3083, 0.5172



73.8595, 0.3059, 0.5572



42.6981, 0.2776, 0.4415



11.2908, 0.3126, 0.3527



25.4382, 0.3017, 0.5986



1.1106, 0.3080, 0.5936

Inverse Universe

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



20.2755, 0.3098, 0.1874



30.7465, 0.3081, 0.1658



19.4429, 0.3850, 0.2426



10.2115, 0.3127, 0.3062



9.0191, 0.3041, 0.1449



0.4003, 0.3081, 0.1471

Previews

White Background



This preview shows how the Yxy color 42.0706, 0.3083, 0.5172 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 42.0706, 0.3083, 0.5172 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 42.0706, 0.3083, 0.5172

Background



This preview shows how black text looks on a background with the Yxy color 42.0706, 0.3083, 0.5172.

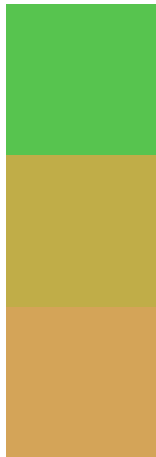


This preview shows how white text looks on a background with the Yxy color 42.0706, 0.3083, 0.5172.

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

42.0706, 0.3083, 0.5172

Protanopia

41.5615, 0.4134, 0.4539

Deuteranopia

41.2525, 0.4287, 0.4192



Tritanopia

41.9152, 0.2510, 0.3071

Trichromacy



Original Color

42.0706, 0.3083, 0.5172



Protanomaly

40.4258, 0.3689, 0.4792



Deuteranomaly

39.9220, 0.3780, 0.4558



Tritanomaly

41.2761, 0.2734, 0.3811

Monochromacy



Original Color

42.0706, 0.3083, 0.5172



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.6047, 0.3121, 0.4001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0706, 0.3083, 0.5172 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(87, 196, 79)` looks like.

```
.text, #text, p{  
    color:rgb(87, 196, 79)  
}
```

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(87, 196, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 196, 79) }
```

Border

The CSS property to change the border of an element to Yxy 42.0706, 0.3083, 0.5172 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(87, 196, 79) }
```

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

```
.border{ border-color:rgb(87, 196, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 196, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 196, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 196, 79);  
box-shadow:4px 4px 4px 4px rgb(87, 196,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0706, 0.3083, 0.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 196, 79) }
```

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

```
.background{ background-color: rgb(87, 196,  
79) }
```

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