

Converting Colors

Yxy(44.0358, 0.3120, 0.5318)

Have a look what the booklet for
Yxy(44.0358, 0.3120, 0.5318)
contains.

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Color

Yxy(44.2417, 0.3118, 0.5322)

Conversions

Conversions Part 1

Format	Color
Hex	57C946
RGB	87, 201, 70
RGB Percent	34%, 79%, 27%
CMY	0.6590, 0.2117, 0.7255
CMYK	0.57, 0.00, 0.65, 0.21
HSL	112°, 55%, 53%
HSV	112°, 65%, 79%
XYZ	25.9199, 44.2417, 12.9683
YIQ	151.9800, -25.8930, -64.9090

Conversions

Conversions Part 2

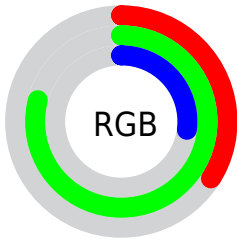
Format	Color
RYB	70, 201, 184
Decimal	5753158
CIELab	72.39, -56.75, 53.99
CIELCh	72, 78.332, 136.425
Yxy	44.2417, 0.3118, 0.5322
Android (android.graphics.Color)	4283943238 (0xFF57C946)
YUV	151.9800, -40.4161, -56.9875
Hunter-Lab	66.5144, -46.8409, 35.0004

Details

The Yxy color **44.2417, 0.3118, 0.5322** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **18.7958, 0.2997, 0.1733**, and the grayscale version is **31.5732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1783, 0.3170, 0.4880**, and **20.5687, 0.2992, 0.5971** is the 20% darker color. If you saturate the color by 10%, you get **43.2886, 0.3097, 0.5597**, and if you desaturate by 10%, it is **45.4876, 0.3133, 0.5001**.

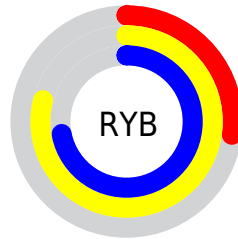
Distribution



Red (34%)

Green (79%)

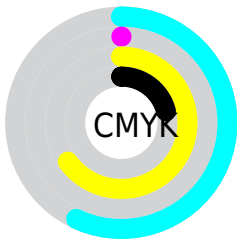
Blue (27%)



Red (27%)

Yellow (79%)

Blue (72%)

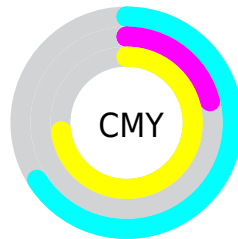


Cyan (57%)

Magenta (0%)

Yellow (65%)

Black (21%)



Cyan (66%)


Magenta (21%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2417, 0.3118, 0.5322 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 44.2417, 0.3118, 0.5322 by changing the saturation by 10% instead.

 44.2417, 0.3118,
0.5322


 44.2417, 0.3118,
0.5322


363.6937, 0.3193,
0.4228

 30.8606, 0.3070,
0.5608


 81.5813, 0.3166,
0.4912


 20.4927, 0.2990,
0.5974


 106.3086, 0.3177,
0.4761


 12.7537, 0.2849,
0.6451


 135.5867, 0.3184,
0.4635

 7.2592, 0.2648,
0.7223

 169.8001, 0.3189,
0.4528

 3.6247, 0.2124,
0.7876

 209.3330, 0.3191,
0.4437

 1.4659, 0.0000,
1.0000

254.5700, 0.3192,

 0.2646, 0.0000,

0.4358

1.0000

305.8955, 0.3193,
0.4288

■ 0.0000, 0.0000,
0.0000

■ 44.2417, 0.3118,
0.5322

■ 44.2417, 0.3118,
0.5322

■ 43.2886, 0.3097,
0.5597

■ 45.4876, 0.3133,
0.5001

■ 42.5987, 0.3071,
0.5805

■ 47.0419, 0.3142,
0.4658

■ 42.1462, 0.3043,
0.5933

■ 48.9255, 0.3145,
0.4315

■ 41.9967, 0.3032,
0.5974

■ 51.1561, 0.3144,
0.3989

■ 53.7500, 0.3139,
0.3688

■ 56.7224, 0.3132,
0.3418

■ 60.0878, 0.3123,
0.3178

■ 63.8598, 0.3113,
0.2969

■ 68.0514, 0.3103,
0.2787

Harmonies

Analogous

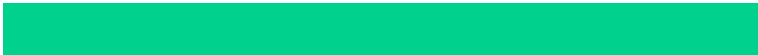
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.2417, 0.4102, 0.5165



44.2417, 0.3118, 0.5322



44.2417, 0.2186, 0.4490

Triad

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



44.2417, 0.3118, 0.5322



44.2417, 0.1492, 0.1821



44.2417, 0.4926, 0.3020

Complementary

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



44.2417, 0.3118, 0.5322



18.7958, 0.2997, 0.1733

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.



44.2417, 0.3933, 0.2396



44.2417, 0.3118, 0.5322



44.2417, 0.1958, 0.1739

Square

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



44.2417, 0.3118, 0.5322



44.2417, 0.1361, 0.2265



44.2417, 0.2801, 0.1943



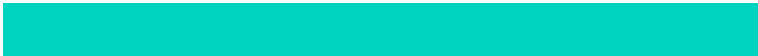
44.2417, 0.5271, 0.3726

Rectangle

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



44.2417, 0.3118, 0.5322



44.2417, 0.1731, 0.3615



44.2417, 0.2801, 0.1943



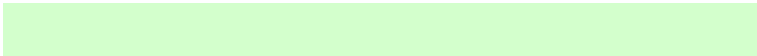
44.2417, 0.4648, 0.2800

Sweetspot

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



44.2436, 0.3118, 0.5322



89.6695, 0.3142, 0.3838



46.9515, 0.4148, 0.4611



18.9280, 0.3143, 0.3925



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.



44.2436, 0.3118, 0.5322



73.5931, 0.3087, 0.5688



44.3883, 0.2798, 0.4653



11.9526, 0.3135, 0.3527



26.4262, 0.3037, 0.5970



1.2735, 0.3142, 0.5887

Inverse Universe

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



18.7958, 0.2997, 0.1733



26.7590, 0.2953, 0.1523



19.0989, 0.3847, 0.2294



10.7443, 0.3117, 0.3061



8.4094, 0.2888, 0.1364



0.4181, 0.2959, 0.1404

Previews

White Background



This preview shows how the Yxy color 44.2417, 0.3118, 0.5322 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 44.2417, 0.3118, 0.5322 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 44.2417, 0.3118, 0.5322

Background



This preview shows how black text looks on a background with the Yxy color 44.2417, 0.3118, 0.5322.



This preview shows how white text looks on a background with the Yxy color 44.2417, 0.3118, 0.5322.

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

44.2417, 0.3118, 0.5322

Protanopia

43.6735, 0.4201, 0.4628

Deuteranopia

43.5048, 0.4364, 0.4276



Tritanopia

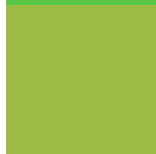
43.9231, 0.2509, 0.3075

Trichromacy



Original Color

44.2417, 0.3118, 0.5322



Protanomaly

42.6793, 0.3738, 0.4917



Deuteranomaly

41.7244, 0.3837, 0.4676



Tritanomaly

43.5097, 0.2748, 0.3881

Monochromacy



Original Color

44.2417, 0.3118, 0.5322



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.7438, 0.3143, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2417, 0.3118, 0.5322 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, 201, 70)` looks like.

```
.text, #text, p{  
    color:rgb(87, 201, 70)  
}
```

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, 201, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 201, 70) }
```

Border

The CSS property to change the border of an element to Yxy 44.2417, 0.3118, 0.5322 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, 201, 70) }
```

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

```
.border{ border-color:rgb(87, 201, 70) }
```

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

Here you see how a box with a 4 pixel rgb(87, 201, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 201, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 201, 70);  
box-shadow:4px 4px 4px 4px rgb(87, 201,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2417, 0.3118, 0.5322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 201, 70) }
```

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

```
.background{ background-color: rgb(87, 201,  
70) }
```

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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