

Converting Colors

$Y_{xy}(44.8712, 0.3248, 0.5535)$

Have a look what the booklet for
Yxy(44.8712, 0.3248, 0.5535)
contains.

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Color

Yxy(44.8712, 0.3248, 0.5535)

Conversions

Conversions Part 1

Format	Color
Hex	5FCA2E
RGB	95, 202, 46
RGB Percent	37%, 79%, 18%
CMY	0.6276, 0.2078, 0.8193
CMYK	0.53, 0.00, 0.77, 0.21
HSL	101°, 63%, 49%
HSV	101°, 77%, 79%
XYZ	26.3309, 44.8712, 9.8660
YIQ	152.2230, -13.6960, -71.2000

Conversions

Conversions Part 2

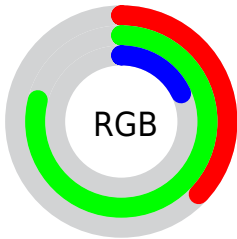
Format	Color
RYB	46, 202, 153
Decimal	6277678
CIELab	72.81, -56.84, 63.29
CIElCh	73, 85.065, 131.930
Yxy	44.8712, 0.3248, 0.5535
Android (android.graphics.Color)	4284467758 (0xFF5FCA2E)
YUV	152.2230, -52.3679, -50.1846
Hunter-Lab	66.9860, -47.0605, 38.1577

Details

The Yxy color **44.8712, 0.3248, 0.5535** 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 **13.0105, 0.2614, 0.1371**, and the grayscale version is **31.7362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4880, 0.3298, 0.5064**, and **21.0269, 0.3047, 0.5963** is the 20% darker color. If you saturate the color by 10%, you get **44.0719, 0.3211, 0.5727**, and if you desaturate by 10%, it is **45.8815, 0.3270, 0.5284**.

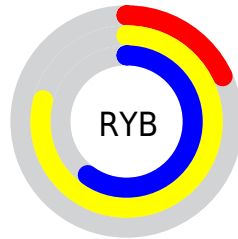
Distribution



Red (37%)

Green (79%)

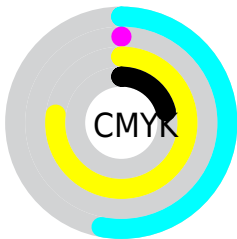
Blue (18%)



Red (18%)

Yellow (79%)

Blue (60%)

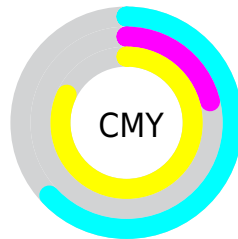


Cyan (53%)

Magenta (0%)

Yellow (77%)

Black (21%)



Cyan (63%)

Magenta (21%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8712, 0.3248, 0.5535 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 44.8712, 0.3248, 0.5535 by changing the saturation by 10% instead.


 44.8712, 0.3248,
0.5535

 44.8712, 0.3248,
0.5535


366.2517, 0.3281,
0.4344

 31.3560, 0.3200,
0.5832


 82.5271, 0.3288,
0.5097

 20.8701, 0.3113,
0.6201


 107.4366, 0.3294,
0.4933


 13.0291, 0.2958,
0.6666


 136.9129, 0.3296,
0.4795

 7.4486, 0.2698,
0.7302

 171.3406, 0.3295,
0.4678

 3.7442, 0.2147,
0.7853

 211.1038, 0.3293,
0.4577

 1.5315, 0.0000,
1.0000

 256.5872, 0.3290,

 0.3108, 0.0000,

0.4489

1.0000

308.1750, 0.3286,
0.4412

■ 0.0000, 0.0000,
0.0000

■ 44.8712, 0.3248,
0.5535

■ 44.8712, 0.3248,
0.5535

■ 44.0719, 0.3211,
0.5727

■ 45.8815, 0.3270,
0.5284

■ 43.4581, 0.3163,
0.5853

■ 47.1128, 0.3277,
0.4989

■ 43.3118, 0.3149,
0.5881

■ 48.5811, 0.3270,
0.4672

■ 50.2991, 0.3251,
0.4349

■ 52.2786, 0.3223,
0.4035

■ 54.5305, 0.3190,
0.3739

■ 57.0651, 0.3154,
0.3468

■ 59.8921, 0.3117,
0.3224

■ 63.0209, 0.3079,
0.3006

Harmonies

Analogous

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



44.8712, 0.4279, 0.5184



44.8712, 0.3248, 0.5535



44.8712, 0.2238, 0.4799

Triad

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



44.8712, 0.3248, 0.5535



44.8712, 0.1357, 0.1769



44.8712, 0.4942, 0.2882

Complementary

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



44.8712, 0.3248, 0.5535



13.0105, 0.2614, 0.1371

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.



44.8712, 0.3801, 0.2251



44.8712, 0.3248, 0.5535



44.8712, 0.1785, 0.1642

Square

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



44.8712, 0.3248, 0.5535



44.8712, 0.1268, 0.2294



44.8712, 0.2611, 0.1814



44.8712, 0.5421, 0.3604

Rectangle

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



44.8712, 0.3248, 0.5535



44.8712, 0.1722, 0.3848



44.8712, 0.2611, 0.1814



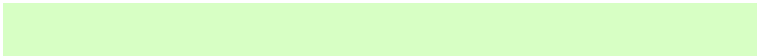
44.8712, 0.4609, 0.2657

Sweetspot

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



44.8731, 0.3248, 0.5535



89.9282, 0.3211, 0.3918



35.4176, 0.4573, 0.4476



18.9604, 0.3223, 0.4028



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.



44.8731, 0.3248, 0.5535



73.8480, 0.3177, 0.5822



43.3309, 0.2918, 0.5378



12.7047, 0.3162, 0.3526



27.9105, 0.3158, 0.5874



1.4804, 0.3313, 0.5752

Inverse Universe

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



13.0105, 0.2614, 0.1371



17.4313, 0.2472, 0.1157



17.5516, 0.3583, 0.1910



11.2206, 0.3088, 0.3058



6.3078, 0.2436, 0.1116



0.3646, 0.2592, 0.1201

Previews

White Background



This preview shows how the Yxy color 44.8712, 0.3248, 0.5535 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 44.8712, 0.3248, 0.5535 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 44.8712, 0.3248, 0.5535

Background



This preview shows how black text looks on a background with the Yxy color 44.8712, 0.3248, 0.5535.



This preview shows how white text looks on a background with the Yxy color 44.8712, 0.3248, 0.5535.

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

44.8712, 0.3248, 0.5535

Protanopia

44.1361, 0.4313, 0.4776

Deuteranopia

43.8718, 0.4526, 0.4416



Tritanopia

44.4892, 0.2555, 0.3078

Trichromacy



Original Color

44.8712, 0.3248, 0.5535



Protanomaly

43.2849, 0.3870, 0.5093



Deuteranomaly

42.1581, 0.4010, 0.4838



Tritanomaly

43.7260, 0.2856, 0.4019

Monochromacy



Original Color

44.8712, 0.3248, 0.5535



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.7670, 0.3242, 0.4219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8712, 0.3248, 0.5535 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(95, 202, 46)` looks like.

```
.text, #text, p{  
    color:rgb(95, 202, 46)  
}
```

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(95, 202, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 202, 46) }
```

Border

The CSS property to change the border of an element to Yxy 44.8712, 0.3248, 0.5535 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(95, 202, 46) }
```

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

```
.border{ border-color:rgb(95, 202, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 202, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 202, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 202, 46);  
box-shadow:4px 4px 4px 4px rgb(95, 202,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8712, 0.3248, 0.5535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 202, 46) }
```

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

```
.background{ background-color: rgb(95, 202,  
46) }
```

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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