

Converting Colors

$Y_{xy}(50.9532, 0.3218, 0.5232)$

Have a look what the booklet for
Yxy(50.9532, 0.3218, 0.5232)
contains.

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Color

Yxy(50.9238, 0.3217, 0.5238)

Conversions

Conversions Part 1

Format	Color
Hex	6ED44C
RGB	110, 212, 76
RGB Percent	43%, 83%, 30%
CMY	0.5688, 0.1686, 0.7019
CMYK	0.48, 0.00, 0.64, 0.17
HSL	105°, 61%, 56%
HSV	105°, 64%, 83%
XYZ	31.2757, 50.9238, 15.0205
YIQ	165.9980, -17.1360, -63.9200

Conversions

Conversions Part 2

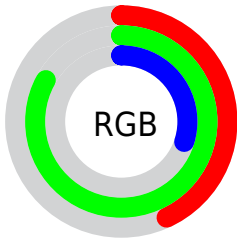
Format	Color
RYB	76, 212, 178
Decimal	7263308
CIELab	76.63, -54.09, 56.37
CIELCh	77, 78.123, 133.816
Yxy	50.9238, 0.3217, 0.5238
Android (android.graphics.Color)	4285453388 (0xFF6ED44C)
YUV	165.9980, -44.3690, -49.1102
Hunter-Lab	71.3609, -46.6496, 37.4729

Details

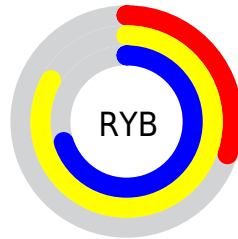
The Yxy color **50.9238, 0.3217, 0.5238** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **19.3967, 0.2818, 0.1664**, and the grayscale version is **38.3549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4565, 0.3266, 0.4756**, and **24.4130, 0.3129, 0.5814** is the 20% darker color. If you saturate the color by 10%, you get **49.7479, 0.3196, 0.5511**, and if you desaturate by 10%, it is **52.3843, 0.3225, 0.4926**.

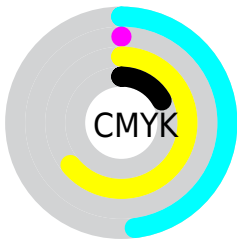
Distribution



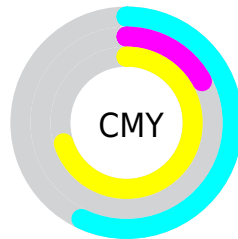
- Red (43%)
- Green (83%)
- Blue (30%)



- Red (30%)
- Yellow (83%)
- Blue (70%)



- Cyan (48%)
- Magenta (0%)
- Yellow (64%)
- Black (17%)





- Cyan (57%)
- Magenta (17%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9238, 0.3217, 0.5238 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 50.9238, 0.3217, 0.5238 by changing the saturation by 10% instead.

 50.9238, 0.3217,
0.5238


 50.9238, 0.3217,
0.5238


390.2677, 0.3239,
0.4219


 36.1480, 0.3186,
0.5494


 91.5421, 0.3243,
0.4864


 24.5485, 0.3130,
0.5817


 118.1534, 0.3248,
0.4724

 15.7410, 0.3028,
0.6231


 149.4786, 0.3249,
0.4606

 9.3411, 0.2855,
0.6800

 185.9022, 0.3248,
0.4505

 4.9643, 0.2504,
0.7496

 227.8085, 0.3247,
0.4419

 2.2263, 0.1618,
0.8382

275.5819, 0.3245,

 0.7343, 0.0000,

0.4343

1.0000

329.6068, 0.3242,
0.4277

■ 0.0000, 0.0000,
0.0000

■ 50.9238, 0.3217,
0.5238

■ 50.9238, 0.3217,
0.5238

■ 49.7479, 0.3196,
0.5511

■ 52.3843, 0.3225,
0.4926

■ 48.8304, 0.3163,
0.5724

■ 54.1406, 0.3222,
0.4595

■ 48.1506, 0.3121,
0.5867

■ 56.2111, 0.3209,
0.4265

■ 47.8460, 0.3096,
0.5924

■ 58.6106, 0.3189,
0.3950

■ 61.3530, 0.3165,
0.3657

■ 64.4516, 0.3139,
0.3392

■ 67.9187, 0.3111,
0.3155

■ 71.7660, 0.3083,
0.2945

■ 75.2197, 0.3134,
0.2869

Harmonies

Analogous

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



50.9238, 0.4156, 0.5048



50.9238, 0.3217, 0.5238



50.9238, 0.2303, 0.4524

Triad

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



50.9238, 0.3217, 0.5238



50.9238, 0.1527, 0.1901



50.9238, 0.4779, 0.2983

Complementary

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



50.9238, 0.3217, 0.5238



19.3967, 0.2818, 0.1664

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.



50.9238, 0.3802, 0.2386



50.9238, 0.3217, 0.5238



50.9238, 0.1952, 0.1791

Square

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



50.9238, 0.3217, 0.5238



50.9238, 0.1429, 0.2373



50.9238, 0.2735, 0.1965



50.9238, 0.5179, 0.3666

Rectangle

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



50.9238, 0.3217, 0.5238



50.9238, 0.1839, 0.3712



50.9238, 0.2735, 0.1965



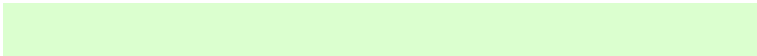
50.9238, 0.4497, 0.2771

Sweetspot

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



50.9260, 0.3217, 0.5238



91.0082, 0.3178, 0.3802



46.3651, 0.4259, 0.4450



19.2268, 0.3185, 0.3888



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.



50.9260, 0.3217, 0.5238



74.9996, 0.3185, 0.5597



49.7543, 0.2879, 0.4882



14.0442, 0.3153, 0.3528



29.5753, 0.3104, 0.5917



1.8233, 0.3230, 0.5817

Inverse Universe

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



19.3967, 0.2818, 0.1664



23.4311, 0.2726, 0.1418



22.3841, 0.3611, 0.2140



12.4694, 0.3098, 0.3057



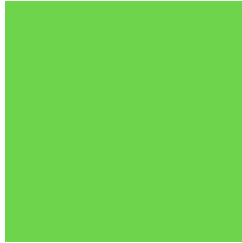
7.5390, 0.2588, 0.1199



0.4926, 0.2700, 0.1261

Previews

White Background



This preview shows how the Yxy color 50.9238, 0.3217, 0.5238 looks on a white background.

Color Contrast Check

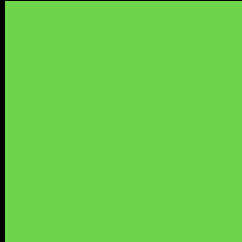
Large Text (above 18pt) WCAG AA × Fail

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 50.9238, 0.3217, 0.5238 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 50.9238, 0.3217, 0.5238

Background



This preview shows how black text looks on a background with the Yxy color 50.9238, 0.3217, 0.5238.



This preview shows how white text looks on a background with the Yxy color 50.9238, 0.3217, 0.5238.

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

50.9238, 0.3217, 0.5238

Protanopia

50.0977, 0.4201, 0.4612

Deuteranopia

50.0679, 0.4369, 0.4282



Tritanopia

50.3941, 0.2583, 0.3076

Trichromacy



Original Color

50.9238, 0.3217, 0.5238



Protanomaly

49.3991, 0.3798, 0.4861



Deuteranomaly

48.5622, 0.3907, 0.4640



Tritanomaly

49.8278, 0.2835, 0.3854

Monochromacy



Original Color

50.9238, 0.3217, 0.5238



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.6714, 0.3200, 0.4038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9238, 0.3217, 0.5238 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(110, 212, 76)` looks like.

```
.text, #text, p{  
    color:rgb(110, 212, 76)  
}
```

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(110, 212, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 212, 76) }
```

Border

The CSS property to change the border of an element to Yxy 50.9238, 0.3217, 0.5238 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(110, 212, 76) }
```

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

```
.border{ border-color:rgb(110, 212, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 212, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 212, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 212, 76);  
box-shadow:4px 4px 4px 4px rgb(110, 212,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9238, 0.3217, 0.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 212, 76) }
```

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

```
.background{ background-color: rgb(110,  
212, 76) }
```

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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