

Converting Colors

$Y_{xy}(38.2799, 0.2915, 0.5008)$

Have a look what the booklet for
Yxy(38.2799, 0.2915, 0.5008)
contains.

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Color

Yxy(38.2916, 0.2915, 0.5007)

Conversions

Conversions Part 1

Format	Color
Hex	42BD5A
RGB	66, 189, 90
RGB Percent	26%, 74%, 35%
CMY	0.7410, 0.2588, 0.6470
CMYK	0.65, 0.00, 0.52, 0.26
HSL	132°, 48%, 50%
HSV	132°, 65%, 74%
XYZ	22.2928, 38.2916, 15.8917
YIQ	140.9370, -41.5290, -56.8650

Conversions

Conversions Part 2

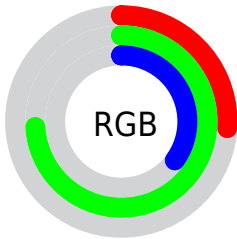
Format	Color
RYB	66, 169, 189
Decimal	4373850
CIELab	68.23, -54.73, 39.93
CIELCh	68, 67.749, 143.886
Yxy	38.2916, 0.2915, 0.5007
Android (android.graphics.Color)	4282563930 (0xFF42BD5A)
YUV	140.9370, -25.1119, -65.7197
Hunter-Lab	61.8802, -43.9844, 28.0896

Details

The Yxy color **38.2916, 0.2915, 0.5007** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **17.4391, 0.3515, 0.2062**, and the grayscale version is **26.7291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3766, 0.2985, 0.4637**, and **17.2034, 0.2876, 0.5555** is the 20% darker color. If you saturate the color by 10%, you get **37.5079, 0.2910, 0.5289**, and if you desaturate by 10%, it is **39.3484, 0.2931, 0.4708**.

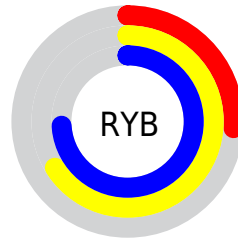
Distribution



Red (26%)

Green (74%)

Blue (35%)



Red (26%)

Yellow (66%)

Blue (74%)

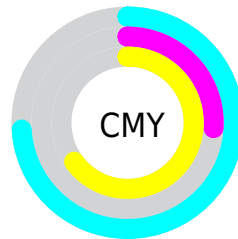


Cyan (65%)

Magenta (0%)

Yellow (52%)

Black (26%)



Cyan (74%)


Magenta (26%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2916, 0.2915, 0.5007 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 38.2916, 0.2915, 0.5007 by changing the saturation by 10% instead.


 38.2916, 0.2915,
0.5007

 38.2916, 0.2915,
0.5007


338.8692, 0.3070,
0.4053

 26.2091, 0.2856,
0.5274


 72.5549, 0.2986,
0.4638


 16.9801, 0.2765,
0.5632

 95.5044, 0.3008,
0.4506

 10.2203, 0.2617,
0.6128


 122.8451, 0.3024,
0.4397

 5.5453, 0.2368,
0.6874

 154.9613, 0.3038,
0.4306

 2.5706, 0.1848,
0.8152

 192.2374, 0.3048,
0.4228

 0.9119, 0.0000,
1.0000

235.0578, 0.3057,

 0.0000, 0.0000,

0.4162

0.0000

283.8070, 0.3064,
0.4104

■ 38.2916, 0.2915,
0.5007

■ 38.2916, 0.2915,
0.5007

■ 37.5079, 0.2910,
0.5289

■ 39.3484, 0.2931,
0.4708

■ 36.9670, 0.2918,
0.5536

■ 40.6958, 0.2957,
0.4408

■ 36.6396, 0.2938,
0.5732

■ 42.3554, 0.2990,
0.4119

■ 36.5272, 0.2947,
0.5810

■ 44.3452, 0.3028,
0.3851

■ 46.6819, 0.3067,
0.3607

■ 49.3813, 0.3107,
0.3390

■ 52.4579, 0.3146,
0.3199

■ 55.9255, 0.3184,
0.3031

■ 59.7973, 0.3220,
0.2886

Harmonies

Analogous

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



38.2916, 0.3838, 0.5112



38.2916, 0.2915, 0.5007



38.2916, 0.2098, 0.4085

Triad

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



38.2916, 0.2915, 0.5007



38.2916, 0.1685, 0.1883



38.2916, 0.4909, 0.3220

Complementary

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



38.2916, 0.2915, 0.5007



17.4391, 0.3515, 0.2062

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.



38.2916, 0.4121, 0.2602



38.2916, 0.2915, 0.5007



38.2916, 0.2213, 0.1871

Square

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



38.2916, 0.2915, 0.5007



38.2916, 0.1485, 0.2216



38.2916, 0.3078, 0.2125



38.2916, 0.5071, 0.3901

Rectangle

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



38.2916, 0.2915, 0.5007



38.2916, 0.1729, 0.3313



38.2916, 0.3078, 0.2125



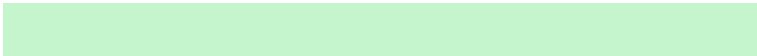
38.2916, 0.4705, 0.3004

Sweetspot

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



38.2932, 0.2915, 0.5007



81.3245, 0.3046, 0.3732



44.9453, 0.3807, 0.4888



17.2420, 0.3035, 0.3802



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.2932, 0.2915, 0.5007



66.7207, 0.2912, 0.5398



39.7589, 0.2573, 0.3940



10.6792, 0.3090, 0.3480



24.5858, 0.2942, 0.5792



0.9723, 0.2820, 0.5353

Inverse Universe

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



17.4391, 0.3515, 0.2062



26.5351, 0.3623, 0.1914



15.7408, 0.4528, 0.2797



9.6635, 0.3167, 0.3107



8.8190, 0.3766, 0.1848



0.3538, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 38.2916, 0.2915, 0.5007 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 38.2916, 0.2915, 0.5007 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 38.2916, 0.2915, 0.5007

Background



This preview shows how black text looks on a background with the Yxy color 38.2916, 0.2915, 0.5007.



This preview shows how white text looks on a background with the Yxy color 38.2916, 0.2915, 0.5007.

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

38.2916, 0.2915, 0.5007

Protanopia

37.4645, 0.4025, 0.4400

Deuteranopia

37.6149, 0.4128, 0.4059



Tritanopia

38.1334, 0.2440, 0.3075

Trichromacy



Original Color

38.2916, 0.2915, 0.5007



Protanomaly

36.5034, 0.3525, 0.4663



Deuteranomaly

35.7815, 0.3582, 0.4417



Tritanomaly

37.7537, 0.2612, 0.3736

Monochromacy



Original Color

38.2916, 0.2915, 0.5007



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.4363, 0.3023, 0.3924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2916, 0.2915, 0.5007 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, 189, 90)` looks like.

```
.text, #text, p{  
    color:rgb(66, 189, 90)  
}
```

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, 189, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 189, 90) }
```

Border

The CSS property to change the border of an element to Yxy 38.2916, 0.2915, 0.5007 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, 189, 90) }
```

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

```
.border{ border-color:rgb(66, 189, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 189, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 189, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 189, 90);  
box-shadow:4px 4px 4px 4px rgb(66, 189,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2916, 0.2915, 0.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 189, 90) }
```

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

```
.background{ background-color: rgb(66, 189,  
90) }
```

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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