

Converting Colors

$Yxy(38.9396, 0.2896, 0.4911)$

Have a look what the booklet for
Yxy(38.9396, 0.2896, 0.4911)
contains.

Yxy(38.9366, 0.2898, 0.4911)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.9366, 0.2898, 0.4911)

Conversions

Conversions Part 1

Format	Color
Hex	45BE60
RGB	69, 190, 96
RGB Percent	27%, 75%, 38%
CMY	0.7296, 0.2549, 0.6235
CMYK	0.64, 0.00, 0.49, 0.25
HSL	133°, 48%, 51%
HSV	133°, 64%, 75%
XYZ	22.9766, 38.9366, 17.3712
YIQ	143.1050, -41.9420, -54.8860

Conversions

Conversions Part 2

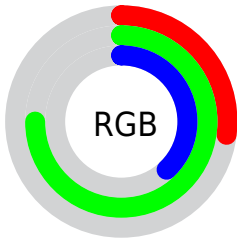
Format	Color
RYB	69, 168, 190
Decimal	4570720
CIELab	68.71, -53.64, 37.57
CIELCh	69, 65.487, 144.990
Yxy	38.9366, 0.2898, 0.4911
Android (android.graphics.Color)	4282760800 (0xFF45BE60)
YUV	143.1050, -23.2228, -64.9901
Hunter-Lab	62.3992, -43.4713, 27.1738

Details

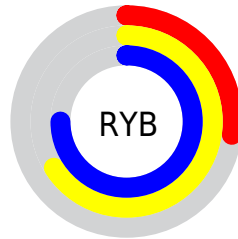
The Yxy color **38.9366, 0.2898, 0.4911** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **17.8417, 0.3555, 0.2116**, and the grayscale version is **27.6155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3268, 0.2967, 0.4565**, and **17.5252, 0.2847, 0.5448** is the 20% darker color. If you saturate the color by 10%, you get **38.1048, 0.2891, 0.5192**, and if you desaturate by 10%, it is **40.0450, 0.2917, 0.4619**.

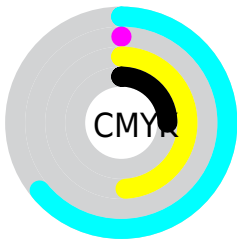
Distribution



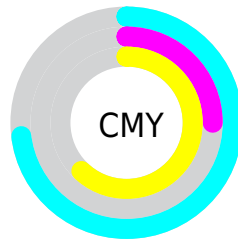
- Red (27%)
- Green (75%)
- Blue (38%)



- Red (27%)
- Yellow (66%)
- Blue (75%)



- Cyan (64%)
- Magenta (0%)
- Yellow (49%)
- Black (25%)




- Cyan (73%)
- Magenta (25%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9366, 0.2898, 0.4911 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 38.9366, 0.2898, 0.4911 by changing the saturation by 10% instead.


 38.9366, 0.2898,
0.4911


 38.9366, 0.2898,
0.4911


341.6209, 0.3056,
0.4013


 26.7104, 0.2840,
0.5162


 73.5415, 0.2968,
0.4564


 17.3559, 0.2754,
0.5499


 96.6889, 0.2990,
0.4440


 10.4885, 0.2616,
0.5969


 124.2456, 0.3008,
0.4338

 5.7241, 0.2377,
0.6654

 156.5958, 0.3022,
0.4252

 2.6780, 0.1974,
0.8026

 194.1241, 0.3033,
0.4179

 0.9660, 0.0000,
1.0000

237.2148, 0.3042,

 0.0000, 0.0000,

0.4116

0.0000

286.2522, 0.3050,
0.4061

■ 38.9366, 0.2898,
0.4911

■ 38.9366, 0.2898,
0.4911

■ 38.1048, 0.2891,
0.5192

■ 40.0450, 0.2917,
0.4619

■ 37.5198, 0.2899,
0.5444

■ 41.4470, 0.2946,
0.4329

■ 37.1534, 0.2919,
0.5654

■ 43.1638, 0.2983,
0.4053

■ 37.0005, 0.2934,
0.5761

■ 45.2134, 0.3024,
0.3797

■ 47.6121, 0.3067,
0.3566

■ 50.3755, 0.3111,
0.3360

■ 53.5180, 0.3154,
0.3179

■ 57.0534, 0.3196,
0.3020

■ 60.9946, 0.3235,
0.2883

Harmonies

Analogous

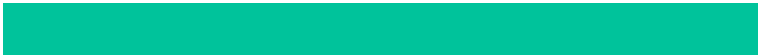
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.9366, 0.3793, 0.5055



38.9366, 0.2898, 0.4911



38.9366, 0.2113, 0.4012

Triad

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



38.9366, 0.2898, 0.4911



38.9366, 0.1742, 0.1922



38.9366, 0.4859, 0.3254

Complementary

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



38.9366, 0.2898, 0.4911



17.8417, 0.3555, 0.2116

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.



38.9366, 0.4119, 0.2647



38.9366, 0.2898, 0.4911



38.9366, 0.2270, 0.1919

Square

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



38.9366, 0.2898, 0.4911



38.9366, 0.1535, 0.2238



38.9366, 0.3119, 0.2175



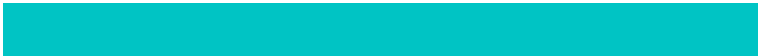
38.9366, 0.4999, 0.3920

Rectangle

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



38.9366, 0.2898, 0.4911



38.9366, 0.1761, 0.3278



38.9366, 0.3119, 0.2175



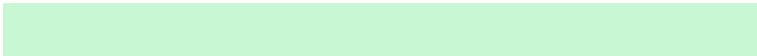
38.9366, 0.4670, 0.3042

Sweetspot

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



38.9382, 0.2898, 0.4911



83.7598, 0.3043, 0.3692



45.1282, 0.3762, 0.4885



18.1248, 0.3030, 0.3761



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.9382, 0.2898, 0.4911



68.6236, 0.2892, 0.5285



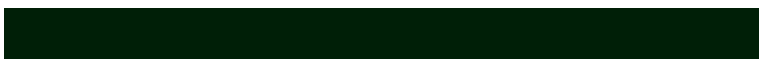
40.4841, 0.2555, 0.3854



10.6836, 0.3086, 0.3473



24.6112, 0.2928, 0.5741



0.9742, 0.2797, 0.5270

Inverse Universe

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



17.8417, 0.3555, 0.2116



27.4278, 0.3675, 0.1971



16.1832, 0.4557, 0.2856



9.6588, 0.3171, 0.3114



8.7036, 0.3861, 0.1900



0.3501, 0.3675, 0.1798

Previews

White Background



This preview shows how the Yxy color 38.9366, 0.2898, 0.4911 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 38.9366, 0.2898, 0.4911 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 38.9366, 0.2898, 0.4911

Background



This preview shows how black text looks on a background with the Yxy color 38.9366, 0.2898, 0.4911.



This preview shows how white text looks on a background with the Yxy color 38.9366, 0.2898, 0.4911.

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

38.9366, 0.2898, 0.4911

Protanopia

38.0443, 0.3982, 0.4338

Deuteranopia

38.2133, 0.4077, 0.3997



Tritanopia

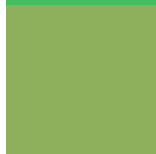
38.6766, 0.2437, 0.3061

Trichromacy



Original Color

38.9366, 0.2898, 0.4911



Protanomaly

37.1661, 0.3498, 0.4582



Deuteranomaly

36.4613, 0.3551, 0.4336



Tritanomaly

38.3618, 0.2606, 0.3698

Monochromacy



Original Color

38.9366, 0.2898, 0.4911



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.3610, 0.3008, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9366, 0.2898, 0.4911 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(69, 190, 96)` looks like.

```
.text, #text, p{  
    color:rgb(69, 190, 96)  
}
```

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(69, 190, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 190, 96) }
```

Border

The CSS property to change the border of an element to Yxy 38.9366, 0.2898, 0.4911 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(69, 190, 96) }
```

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

```
.border{ border-color:rgb(69, 190, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 190, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 190, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 190, 96);  
box-shadow:4px 4px 4px 4px rgb(69, 190,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9366, 0.2898, 0.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 190, 96) }
```

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

```
.background{ background-color: rgb(69, 190,  
96) }
```

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