

Converting Colors

$Yxy(30.4522, 0.2937, 0.5140)$

Have a look what the booklet for
Yxy(30.4522, 0.2937, 0.5140)
contains.

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Color

Yxy(30.4610, 0.2938, 0.5134)

Conversions

Conversions Part 1

Format	Color
Hex	38AB4A
RGB	56, 171, 74
RGB Percent	22%, 67%, 29%
CMY	0.7802, 0.3294, 0.7098
CMYK	0.67, 0.00, 0.57, 0.33
HSL	129°, 51%, 45%
HSV	129°, 67%, 67%
XYZ	17.4317, 30.4610, 11.4392
YIQ	125.5570, -37.4030, -54.5470

Conversions

Conversions Part 2

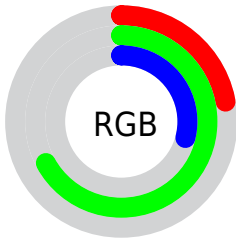
Format	Color
RYB	56, 155, 171
Decimal	3713866
CIELab	62.05, -52.34, 40.20
CIELCh	62, 65.998, 142.478
Yxy	30.4610, 0.2938, 0.5134
Android (android.graphics.Color)	4281903946 (0xFF38AB4A)
YUV	125.5570, -25.4176, -61.0015
Hunter-Lab	55.1915, -40.2075, 26.3454

Details

The Yxy color **30.4610, 0.2938, 0.5134** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.7922, 0.3457, 0.1990**, and the grayscale version is **20.8080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2007, 0.3015, 0.4714**, and **12.7844, 0.2930, 0.5750** is the 20% darker color. If you saturate the color by 10%, you get **29.8778, 0.2935, 0.5412**, and if you desaturate by 10%, it is **31.2597, 0.2952, 0.4830**.

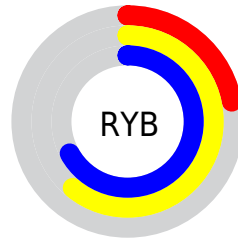
Distribution



Red (22%)

Green (67%)

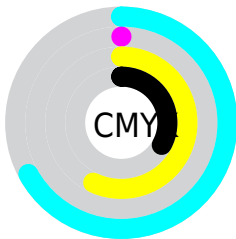
Blue (29%)



Red (22%)

Yellow (61%)

Blue (67%)

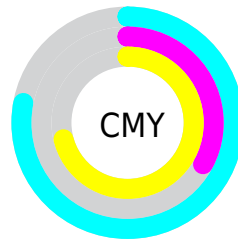


Cyan (67%)

Magenta (0%)

Yellow (57%)

Black (33%)



Cyan (78%)


Magenta (33%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4610, 0.2938, 0.5134 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 30.4610, 0.2938, 0.5134 by changing the saturation by 10% instead.


 30.4610, 0.2938,
0.5134


 30.4610, 0.2938,
0.5134


304.0474, 0.3092,
0.4074


 20.1888, 0.2870,
0.5446


 60.3905, 0.3013,
0.4714


 12.5323, 0.2760,
0.5871


 80.8165, 0.3035,
0.4567

 7.1073, 0.2567,
0.6472


 105.3959, 0.3051,
0.4446

 3.5293, 0.2308,
0.7692

 134.5130, 0.3064,
0.4347

 1.4139, 0.0000,
1.0000

 168.5524, 0.3073,
0.4262

 0.2269, 0.0000,
1.0000

207.8983, 0.3081,

 0.0000, 0.0000,

0.4190

0.0000

252.9352, 0.3087,
0.4128

■ 30.4610, 0.2938,
0.5134

■ 30.4610, 0.2938,
0.5134

■ 29.8778, 0.2935,
0.5412

■ 31.2597, 0.2952,
0.4830

■ 29.4851, 0.2942,
0.5645

■ 32.2882, 0.2974,
0.4520

■ 29.2538, 0.2958,
0.5821

■ 33.5642, 0.3002,
0.4217

■ 29.2035, 0.2961,
0.5860

■ 35.1024, 0.3034,
0.3932

■ 36.9164, 0.3068,
0.3673

■ 39.0189, 0.3103,
0.3441

■ 41.4217, 0.3136,
0.3236

■ 44.1361, 0.3169,
0.3057

■ 47.1726, 0.3199,
0.2901

Harmonies

Analogous

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



30.4610, 0.3897, 0.5181



30.4610, 0.2938, 0.5134



30.4610, 0.2079, 0.4186

Triad

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



30.4610, 0.2938, 0.5134



30.4610, 0.1612, 0.1834



30.4610, 0.4973, 0.3174

Complementary

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



30.4610, 0.2938, 0.5134



13.7922, 0.3457, 0.1990

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.



30.4610, 0.4120, 0.2543



30.4610, 0.2938, 0.5134



30.4610, 0.2138, 0.1811

Square

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



30.4610, 0.2938, 0.5134



30.4610, 0.1421, 0.2190



30.4610, 0.3023, 0.2061



30.4610, 0.5165, 0.3873

Rectangle

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



30.4610, 0.2938, 0.5134



30.4610, 0.1688, 0.3361



30.4610, 0.3023, 0.2061



30.4610, 0.4749, 0.2953

Sweetspot

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



30.4623, 0.2938, 0.5134



65.0444, 0.3058, 0.3751



36.2579, 0.3856, 0.4896



14.3059, 0.3048, 0.3822



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.4623, 0.2938, 0.5134



53.1033, 0.2937, 0.5540



31.6002, 0.2590, 0.4036



8.9590, 0.3096, 0.3487



22.0205, 0.2958, 0.5847



0.6187, 0.2829, 0.5385

Inverse Universe

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



13.7922, 0.3457, 0.1990



21.0579, 0.3547, 0.1839



12.3405, 0.4507, 0.2735



8.1263, 0.3160, 0.3101



8.0578, 0.3640, 0.1779



0.2298, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 30.4610, 0.2938, 0.5134 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 30.4610, 0.2938, 0.5134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

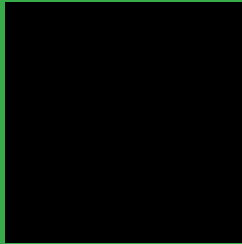
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.4610, 0.2938, 0.5134

Background



This preview shows how black text looks on a background with the Yxy color 30.4610, 0.2938, 0.5134.



This preview shows how white text looks on a background with the Yxy color 30.4610, 0.2938, 0.5134.

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

30.4610, 0.2938, 0.5134

Protanopia

29.8995, 0.4082, 0.4475

Deuteranopia

29.9003, 0.4203, 0.4122



Tritanopia

30.4770, 0.2431, 0.3070

Trichromacy



Original Color

30.4610, 0.2938, 0.5134



Protanomaly

28.9161, 0.3558, 0.4758



Deuteranomaly

28.5812, 0.3630, 0.4519



Tritanomaly

30.2011, 0.2613, 0.3783

Monochromacy



Original Color

30.4610, 0.2938, 0.5134



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.1742, 0.3034, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4610, 0.2938, 0.5134 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(56, 171, 74)` looks like.

```
.text, #text, p{  
    color:rgb(56, 171, 74)  
}
```

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(56, 171, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 171, 74) }
```

Border

The CSS property to change the border of an element to Yxy 30.4610, 0.2938, 0.5134 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(56, 171, 74) }
```

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

```
.border{ border-color:rgb(56, 171, 74) }
```

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

Here you see how a box with a 4 pixel rgb(56, 171, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 171, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 171, 74);  
box-shadow:4px 4px 4px 4px rgb(56, 171,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4610, 0.2938, 0.5134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 171, 74) }
```

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

```
.background{ background-color: rgb(56, 171,  
74) }
```

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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