

Converting Colors

$Y_{xy}(29.1257, 0.3277, 0.5374)$

Have a look what the booklet for
Yxy(29.1257, 0.3277, 0.5374)
contains.

Yxy(29.0388, 0.3277, 0.5378)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.0388, 0.3277, 0.5378)

Conversions

Conversions Part 1

Format	Color
Hex	55A52E
RGB	85, 165, 46
RGB Percent	33%, 65%, 18%
CMY	0.6667, 0.3529, 0.8194
CMYK	0.48, 0.00, 0.72, 0.35
HSL	100°, 56%, 41%
HSV	100°, 72%, 65%
XYZ	17.6943, 29.0388, 7.2624
YIQ	127.5140, -9.4810, -53.9690

Conversions

Conversions Part 2

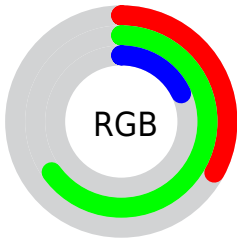
Format	Color
RYB	46, 165, 126
Decimal	5612846
CIELab	60.82, -45.61, 51.33
CIELCh	61, 68.665, 131.619
Yxy	29.0388, 0.3277, 0.5378
Android (android.graphics.Color)	4283802926 (0xFF55A52E)
YUV	127.5140, -40.1864, -37.2848
Hunter-Lab	53.8877, -35.6919, 29.7309

Details

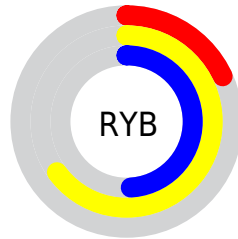
The Yxy color **29.0388, 0.3277, 0.5378** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.1162, 0.2643, 0.1470**, and the grayscale version is **21.5546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2765, 0.3303, 0.4924**, and **11.7478, 0.3083, 0.5934** is the 20% darker color. If you saturate the color by 10%, you get **28.4545, 0.3250, 0.5604**, and if you desaturate by 10%, it is **29.7571, 0.3289, 0.5104**.

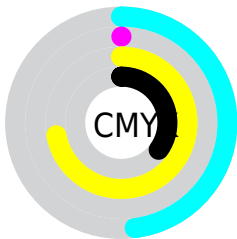
Distribution



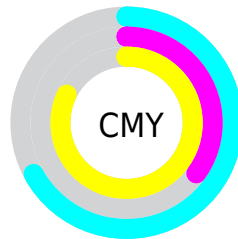
- Red (33%)
- Green (65%)
- Blue (18%)



- Red (18%)
- Yellow (65%)
- Blue (49%)



- Cyan (48%)
- Magenta (0%)
- Yellow (72%)
- Black (35%)




- Cyan (67%)
- Magenta (35%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0388, 0.3277, 0.5378 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 29.0388, 0.3277, 0.5378 by changing the saturation by 10% instead.


 29.0388, 0.3277,
0.5378


 29.0388, 0.3277,
0.5378


297.3980, 0.3275,
0.4194

 19.1102, 0.3234,
0.5707


 58.1387, 0.3303,
0.4918

 11.7499, 0.3143,
0.6136


 78.0788, 0.3304,
0.4754


 6.5736, 0.3019,
0.6850


 102.1248, 0.3301,
0.4618

 3.1969, 0.2559,
0.7441

 130.6612, 0.3297,
0.4505

 1.2354, 0.0197,
0.9803

 164.0723, 0.3292,
0.4409

 0.0903, 0.0000,
1.0000

 202.7426, 0.3286,

 0.0000, 0.0000,

0.4327

0.0000

247.0563, 0.3280,
0.4256

■ 29.0388, 0.3277,
0.5378

■ 29.0388, 0.3277,
0.5378

■ 28.4545, 0.3250,
0.5604

■ 29.7571, 0.3289,
0.5104

■ 27.9907, 0.3208,
0.5769

■ 30.6144, 0.3285,
0.4800

■ 27.6961, 0.3171,
0.5864

■ 31.6197, 0.3269,
0.4484

■ 32.7802, 0.3244,
0.4170

■ 34.1027, 0.3211,
0.3871

■ 35.5933, 0.3174,
0.3593

■ 37.2580, 0.3135,
0.3340

■ 39.1025, 0.3096,
0.3112

■ 41.1320, 0.3058,
0.2909

Harmonies

Analogous

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



29.0388, 0.4254, 0.5086



29.0388, 0.3277, 0.5378



29.0388, 0.2312, 0.4695

Triad

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



29.0388, 0.3277, 0.5378



29.0388, 0.1439, 0.1855



29.0388, 0.4816, 0.2909

Complementary

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



29.0388, 0.3277, 0.5378



9.1162, 0.2643, 0.1470

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.



29.0388, 0.3751, 0.2302



29.0388, 0.3277, 0.5378



29.0388, 0.1850, 0.1722

Square

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



29.0388, 0.3277, 0.5378



29.0388, 0.1359, 0.2370



29.0388, 0.2637, 0.1884



29.0388, 0.5285, 0.3608

Rectangle

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



29.0388, 0.3277, 0.5378



29.0388, 0.1813, 0.3830



29.0388, 0.2637, 0.1884



29.0388, 0.4503, 0.2692

Sweetspot

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



29.0400, 0.3277, 0.5378



60.9932, 0.3212, 0.3880



22.9545, 0.4487, 0.4403



13.1972, 0.3221, 0.3955



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.0400, 0.3277, 0.5378



50.3933, 0.3224, 0.5719



27.8858, 0.2929, 0.5247



8.0024, 0.3163, 0.3519



20.9759, 0.3178, 0.5859



0.4655, 0.3470, 0.5627

Inverse Universe

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



9.1162, 0.2643, 0.1470



12.4812, 0.2499, 0.1211



12.0079, 0.3506, 0.1947



7.0855, 0.3088, 0.3065



4.6396, 0.2412, 0.1103



0.1214, 0.2714, 0.1269

Previews

White Background



This preview shows how the Yxy color 29.0388, 0.3277, 0.5378 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0388, 0.3277, 0.5378 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 × Fail

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

Yxy 29.0388, 0.3277, 0.5378

Background



This preview shows how black text looks on a background with the Yxy color 29.0388, 0.3277, 0.5378.



This preview shows how white text looks on a background with the Yxy color 29.0388, 0.3277, 0.5378.

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

29.0388, 0.3277, 0.5378

Protanopia

28.6104, 0.4271, 0.4702

Deuteranopia

28.6958, 0.4452, 0.4370



Tritanopia

28.8676, 0.2595, 0.3087

Trichromacy



Original Color

29.0388, 0.3277, 0.5378



Protanomaly

28.1078, 0.3863, 0.4976



Deuteranomaly

27.6308, 0.3991, 0.4745



Tritanomaly

28.4555, 0.2884, 0.3950

Monochromacy



Original Color

29.0388, 0.3277, 0.5378



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.3763, 0.3237, 0.4109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0388, 0.3277, 0.5378 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(85, 165, 46)` looks like.

```
.text, #text, p{  
    color:rgb(85, 165, 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(85, 165, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 165, 46) }
```

Border

The CSS property to change the border of an element to Yxy 29.0388, 0.3277, 0.5378 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(85, 165, 46) }
```

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

```
.border{ border-color:rgb(85, 165, 46) }
```

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

Here you see how a box with a 4 pixel rgb(85, 165, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 165, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 165, 46);  
box-shadow:4px 4px 4px 4px rgb(85, 165,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0388, 0.3277, 0.5378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 165, 46) }
```

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

```
.background{ background-color: rgb(85, 165,  
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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