

Converting Colors

$Yxy(29.6513, 0.3311, 0.5346)$

Have a look what the booklet for
Yxy(29.6513, 0.3311, 0.5346)
contains.

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Color

Yxy(29.6513, 0.3311, 0.5346)

Conversions

Conversions Part 1

Format	Color
Hex	5AA62F
RGB	90, 166, 47
RGB Percent	35%, 65%, 18%
CMY	0.6472, 0.3490, 0.8155
CMYK	0.46, 0.00, 0.72, 0.35
HSL	98°, 56%, 42%
HSV	98°, 72%, 65%
XYZ	18.3643, 29.6513, 7.4489
YIQ	129.7100, -7.0970, -53.1210

Conversions

Conversions Part 2

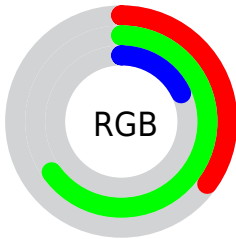
Format	Color
R_{YB}	47, 166, 123
Decimal	5940783
CIE _{Lab}	61.35, -44.36, 51.57
CIE _{LCh}	61, 68.022, 130.702
Yxy	29.6513, 0.3311, 0.5346
Android (android.graphics.Color)	4284130863 (0xFF5AA62F)
YUV	129.7100, -40.7760, -34.8257
Hunter-Lab	54.4530, -35.0936, 30.0066

Details

The Yxy color **29.6513, 0.3311, 0.5346** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.0067, 0.2591, 0.1451**, and the grayscale version is **22.3637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2736, 0.3331, 0.4902**, and **12.0863, 0.3139, 0.5890** is the 20% darker color. If you saturate the color by 10%, you get **29.0486, 0.3286, 0.5571**, and if you desaturate by 10%, it is **30.3835, 0.3319, 0.5075**.

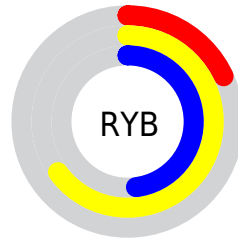
Distribution



Red (35%)

Green (65%)

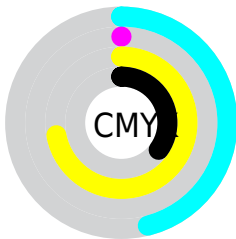
Blue (18%)



Red (18%)

Yellow (65%)

Blue (48%)

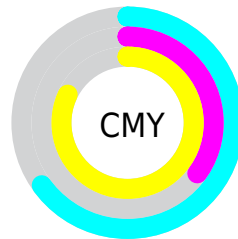


Cyan (46%)

Magenta (0%)

Yellow (72%)

Black (35%)



Cyan (65%)


Magenta (35%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6513, 0.3311, 0.5346 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 29.6513, 0.3311, 0.5346 by changing the saturation by 10% instead.


 29.6513, 0.3311,
0.5346


 29.6513, 0.3311,
0.5346


300.2757, 0.3289,
0.4186

 19.5741, 0.3275,
0.5666


 59.1103, 0.3329,
0.4898


 12.0858, 0.3193,
0.6081


 79.2608, 0.3327,
0.4737

 6.8021, 0.3076,
0.6751


 103.5379, 0.3323,
0.4604

 3.3387, 0.2655,
0.7345

 132.3260, 0.3316,
0.4493

 1.3110, 0.0785,
0.9215

 166.0094, 0.3309,
0.4398

 0.1497, 0.0000,
1.0000

 204.9726, 0.3302,

 0.0000, 0.0000,

0.4317

0.0000

249.5999, 0.3296,
0.4247

■ 29.6513, 0.3311,
0.5346

■ 29.6513, 0.3311,
0.5346

■ 29.0486, 0.3286,
0.5571

■ 30.3835, 0.3319,
0.5075

■ 28.5622, 0.3244,
0.5737

■ 31.2496, 0.3312,
0.4775

■ 28.2324, 0.3204,
0.5838

■ 32.2581, 0.3290,
0.4462

■ 33.4160, 0.3259,
0.4153

■ 34.7294, 0.3221,
0.3857

■ 36.2044, 0.3179,
0.3581

■ 37.8465, 0.3135,
0.3329

■ 39.6610, 0.3090,
0.3102

■ 41.6529, 0.3047,
0.2900

Harmonies

Analogous

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



29.6513, 0.4272, 0.5046



29.6513, 0.3311, 0.5346



29.6513, 0.2353, 0.4703

Triad

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



29.6513, 0.3311, 0.5346



29.6513, 0.1452, 0.1883



29.6513, 0.4763, 0.2897

Complementary

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



29.6513, 0.3311, 0.5346



9.0067, 0.2591, 0.1451

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.



29.6513, 0.3706, 0.2299



29.6513, 0.3311, 0.5346



29.6513, 0.1849, 0.1740

Square

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



29.6513, 0.3311, 0.5346



29.6513, 0.1383, 0.2409



29.6513, 0.2616, 0.1892



29.6513, 0.5250, 0.3588

Rectangle

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



29.6513, 0.3311, 0.5346



29.6513, 0.1852, 0.3863



29.6513, 0.2616, 0.1892



29.6513, 0.4450, 0.2683

Sweetspot

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



29.6526, 0.3311, 0.5346



63.0940, 0.3220, 0.3849



22.3275, 0.4527, 0.4348



13.9713, 0.3230, 0.3926



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.6526, 0.3311, 0.5346



52.1674, 0.3263, 0.5677



28.2380, 0.2949, 0.5302



8.5346, 0.3168, 0.3520



21.9154, 0.3210, 0.5833



0.5620, 0.3489, 0.5612

Inverse Universe

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



9.0067, 0.2591, 0.1451



12.3783, 0.2439, 0.1186



12.3509, 0.3439, 0.1908



7.5292, 0.3082, 0.3064



4.5428, 0.2334, 0.1060



0.1378, 0.2633, 0.1224

Previews

White Background



This preview shows how the Yxy color 29.6513, 0.3311, 0.5346 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 29.6513, 0.3311, 0.5346 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 29.6513, 0.3311, 0.5346

Background



This preview shows how black text looks on a background with the Yxy color 29.6513, 0.3311, 0.5346.



This preview shows how white text looks on a background with the Yxy color 29.6513, 0.3311, 0.5346.

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

29.6513, 0.3311, 0.5346

Protanopia

29.3463, 0.4256, 0.4708

Deuteranopia

29.1189, 0.4445, 0.4366



Tritanopia

29.5477, 0.2628, 0.3090

Trichromacy



Original Color

29.6513, 0.3311, 0.5346

Protanomaly

29.0278, 0.3875, 0.4964

Deuteranomaly

28.1415, 0.3999, 0.4732

Tritanomaly

29.1099, 0.2918, 0.3939

Monochromacy



Original Color

29.6513, 0.3311, 0.5346

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.2099, 0.3246, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6513, 0.3311, 0.5346 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(90, 166, 47)` looks like.

```
.text, #text, p{  
    color:rgb(90, 166, 47)  
}
```

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(90, 166, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 166, 47) }
```

Border

The CSS property to change the border of an element to Yxy 29.6513, 0.3311, 0.5346 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(90, 166, 47) }
```

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

```
.border{ border-color:rgb(90, 166, 47) }
```

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

Here you see how a box with a 4 pixel rgb(90, 166, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 166, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 166, 47);  
box-shadow:4px 4px 4px 4px rgb(90, 166,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6513, 0.3311, 0.5346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 166, 47) }
```

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

```
.background{ background-color: rgb(90, 166,  
47) }
```

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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