

Converting Colors

$Yxy(29.3584, 0.3569, 0.6344)$

Have a look what the booklet for
Yxy(29.3584, 0.3569, 0.6344)
contains.

Yxy(29.7546, 0.3347, 0.5725)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.7546, 0.3347, 0.5725)

Conversions

Conversions Part 1

Format	Color
Hex	51A800
RGB	81, 168, 0
RGB Percent	32%, 66%, 0%
CMY	0.6824, 0.3412, 1.0000
CMYK	0.52, 0.00, 1.00, 0.34
HSL	91°, 100%, 33%
HSV	91°, 100%, 66%
XYZ	17.3954, 29.7546, 4.8231
YIQ	122.8350, 2.0760, -70.6920

Conversions

Conversions Part 2

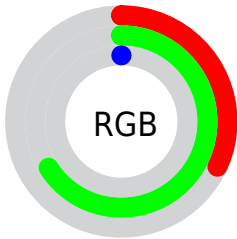
Format	Color
RYB	0, 168, 87
Decimal	5351424
CIELab	61.44, -49.92, 62.76
CIElCh	61, 80.189, 128.502
Yxy	29.7546, 0.3347, 0.5725
Android (android.graphics.Color)	4283541504 (0xFF51A800)
YUV	122.8350, -60.5577, -36.6893
Hunter-Lab	54.5478, -38.5346, 32.9410

Details

The Yxy color **29.7546, 0.3347, 0.5725** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.8538, 0.2065, 0.0911**, and the grayscale version is **19.9537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2947, 0.3389, 0.5214**, and **12.2744, 0.3006, 0.5995** is the 20% darker color. If you saturate the color by 10%, you get **29.7561, 0.3347, 0.5725**, and if you desaturate by 10%, it is **30.2053, 0.3394, 0.5606**.

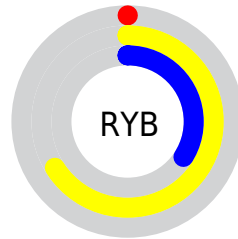
Distribution



Red (32%)

Green (66%)

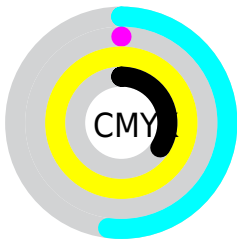
Blue (0%)



Red (0%)

Yellow (66%)

Blue (34%)

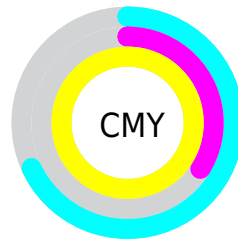


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (68%)


Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7546, 0.3347, 0.5725 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 29.7546, 0.3347, 0.5725 by changing the saturation by 10% instead.

 29.7546, 0.3347,
0.5725


 29.7546, 0.3347,
0.5725


300.7589, 0.3350,
0.4370

 19.6524, 0.3281,
0.6074


 59.2739, 0.3390,
0.5214


 12.1426, 0.3154,
0.6520


 79.4597, 0.3392,
0.5026


 6.8409, 0.2910,
0.7090


 103.7756, 0.3389,
0.4869

 3.3628, 0.2385,
0.7615

 132.6059, 0.3383,
0.4737

 1.3239, 0.0000,
1.0000

 166.3350, 0.3375,
0.4624

 0.1596, 0.0000,
1.0000

 205.3472, 0.3367,

 0.0000, 0.0000,


0.4527


0.0000

 250.0271, 0.3358,
0.4443

 29.7546, 0.3347,
0.5725


 29.7546, 0.3347,
0.5725


 29.7561, 0.3347,
0.5725

 30.2053, 0.3394,
0.5606

 30.7390, 0.3428,
0.5440

 31.3726, 0.3440,
0.5223

 32.1139, 0.3432,
0.4965

 32.9695, 0.3405,
0.4680

■ 33.9455, 0.3364,
0.4384

■ 35.0476, 0.3312,
0.4089

■ 36.2807, 0.3253,
0.3804

■ 37.6498, 0.3190,
0.3537

Harmonies

Analogous

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



29.7546, 0.4428, 0.5193



29.7546, 0.3347, 0.5725



29.7546, 0.2269, 0.5098

Triad

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



29.7546, 0.3347, 0.5725



29.7546, 0.1233, 0.1711



29.7546, 0.4969, 0.2758

Complementary

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



29.7546, 0.3347, 0.5725



4.8538, 0.2065, 0.0911

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.



29.7546, 0.3689, 0.2119



29.7546, 0.3347, 0.5725



29.7546, 0.1632, 0.1547

Square

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



29.7546, 0.3347, 0.5725



29.7546, 0.1175, 0.2308



29.7546, 0.2446, 0.1694



29.7546, 0.5570, 0.3495

Rectangle

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



29.7546, 0.3347, 0.5725



29.7546, 0.1698, 0.4073



29.7546, 0.2446, 0.1694



29.7546, 0.4585, 0.2529

Sweetspot

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



29.7561, 0.3347, 0.5725



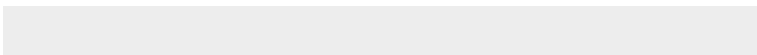
63.4793, 0.3315, 0.4105



15.1097, 0.5348, 0.4135



13.6550, 0.3337, 0.4223



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.



29.7561, 0.3347, 0.5725



53.8673, 0.3334, 0.5734



28.0130, 0.2997, 0.5988



8.5785, 0.3186, 0.3518



22.4996, 0.3354, 0.5719



0.5780, 0.3623, 0.5505

Inverse Universe

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



4.8538, 0.2065, 0.0911



8.6790, 0.2048, 0.0902



11.0494, 0.3251, 0.1564



7.4844, 0.3064, 0.3062



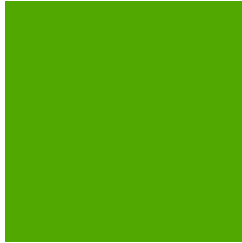
3.6959, 0.2075, 0.0917



0.1202, 0.2445, 0.1120

Previews

White Background



This preview shows how the Yxy color 29.7546, 0.3347, 0.5725 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 29.7546, 0.3347, 0.5725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

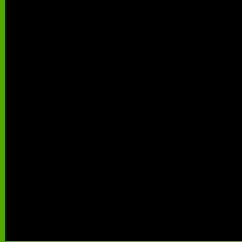
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7546, 0.3347, 0.5725

Background



This preview shows how black text looks on a background with the Yxy color 29.7546, 0.3347, 0.5725.



This preview shows how white text looks on a background with the Yxy color 29.7546, 0.3347, 0.5725.

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

29.7546, 0.3347, 0.5725

Protanopia

29.2868, 0.4396, 0.4892

Deuteranopia

29.3108, 0.4615, 0.4522



Tritanopia

29.5846, 0.2571, 0.3073

Trichromacy



Original Color

29.7546, 0.3347, 0.5725

Protanomaly

28.5936, 0.3971, 0.5229

Deuteranomaly

28.1665, 0.4125, 0.4994

Tritanomaly

28.7111, 0.2979, 0.4255

Monochromacy



Original Color

29.7546, 0.3347, 0.5725

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

22.2034, 0.3385, 0.4476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7546, 0.3347, 0.5725 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(81, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 168, 0)  
}
```

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(81, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.7546, 0.3347, 0.5725 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(81, 168, 0) }
```

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

```
.border{ border-color:rgb(81, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(81, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(81, 168, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.7546, 0.3347, 0.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 168, 0) }
```

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

```
.background{ background-color: rgb(81, 168,  
0) }
```

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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