

Converting Colors

$Yxy(29.5716, 0.3329, 0.5424)$

Have a look what the booklet for
Yxy(29.5716, 0.3329, 0.5424)
contains.

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Color

Yxy(29.5495, 0.3332, 0.5428)

Conversions

Conversions Part 1

Format	Color
Hex	59A628
RGB	89, 166, 40
RGB Percent	35%, 65%, 16%
CMY	0.6509, 0.3490, 0.8433
CMYK	0.46, 0.00, 0.76, 0.35
HSL	97°, 61%, 40%
HSV	97°, 76%, 65%
XYZ	18.1391, 29.5495, 6.7504
YIQ	128.6130, -5.4460, -55.5100

Conversions

Conversions Part 2

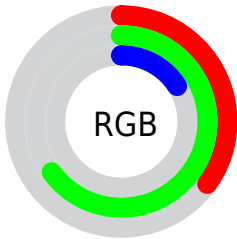
Format	Color
RYB	40, 166, 117
Decimal	5875240
CIELab	61.26, -45.16, 54.06
CIELCh	61, 70.440, 129.878
Yxy	29.5495, 0.3332, 0.5428
Android (android.graphics.Color)	4284065320 (0xFF59A628)
YUV	128.6130, -43.6862, -34.7406
Hunter-Lab	54.3595, -35.5658, 30.6889

Details

The Yxy color **29.5495, 0.3332, 0.5428** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.0458, 0.2501, 0.1344**, and the grayscale version is **21.9672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0704, 0.3352, 0.4973**, and **12.0433, 0.3118, 0.5906** is the 20% darker color. If you saturate the color by 10%, you get **28.9935, 0.3301, 0.5626**, and if you desaturate by 10%, it is **30.2256, 0.3345, 0.5178**.

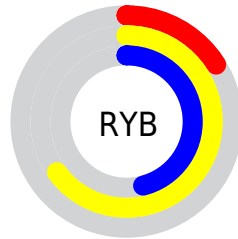
Distribution



Red (35%)

Green (65%)

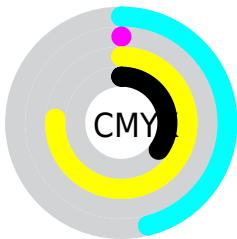
Blue (16%)



Red (16%)

Yellow (65%)

Blue (46%)

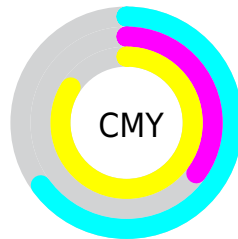


Cyan (46%)

Magenta (0%)

Yellow (76%)

Black (35%)



Cyan (65%)


Magenta (35%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5495, 0.3332, 0.5428 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 29.5495, 0.3332, 0.5428 by changing the saturation by 10% instead.


 29.5495, 0.3332,
0.5428


 29.5495, 0.3332,
0.5428


299.7989, 0.3307,
0.4225

 19.4969, 0.3291,
0.5755


 58.9490, 0.3352,
0.4965


 12.0299, 0.3201,
0.6176


 79.0647, 0.3350,
0.4798


 6.7640, 0.3095,
0.6905


 103.3035, 0.3345,
0.4660

 3.3150, 0.2609,
0.7391

 132.0499, 0.3338,
0.4544

 1.2983, 0.0599,
0.9401

 165.6883, 0.3330,
0.4446

 0.1399, 0.0000,
1.0000

 204.6030, 0.3322,

 0.0000, 0.0000,

0.4362

0.0000

249.1784, 0.3315,
0.4289

■ 29.5495, 0.3332,
0.5428

■ 29.5495, 0.3332,
0.5428

■ 28.9935, 0.3301,
0.5626

■ 30.2256, 0.3345,
0.5178

■ 28.5437, 0.3254,
0.5766

■ 31.0262, 0.3341,
0.4893

■ 28.3840, 0.3234,
0.5814

■ 31.9599, 0.3321,
0.4588

■ 33.0333, 0.3290,
0.4279

■ 34.2526, 0.3250,
0.3979

■ 35.6235, 0.3204,
0.3695

■ 37.1514, 0.3156,
0.3434

■ 38.8415, 0.3107,
0.3196

■ 40.6985, 0.3059,
0.2983

Harmonies

Analogous

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



29.5495, 0.4317, 0.5075



29.5495, 0.3332, 0.5428



29.5495, 0.2346, 0.4795

Triad

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



29.5495, 0.3332, 0.5428



29.5495, 0.1401, 0.1849



29.5495, 0.4798, 0.2861

Complementary

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



29.5495, 0.3332, 0.5428



8.0458, 0.2501, 0.1344

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.



29.5495, 0.3691, 0.2255



29.5495, 0.3332, 0.5428



29.5495, 0.1796, 0.1698

Square

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



29.5495, 0.3332, 0.5428



29.5495, 0.1339, 0.2396



29.5495, 0.2570, 0.1846



29.5495, 0.5317, 0.3563

Rectangle

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



29.5495, 0.3332, 0.5428



29.5495, 0.1826, 0.3920



29.5495, 0.2570, 0.1846



29.5495, 0.4468, 0.2644

Sweetspot

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



29.5508, 0.3332, 0.5428



62.7598, 0.3239, 0.3906



20.6550, 0.4669, 0.4323



13.8591, 0.3254, 0.4008



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.



29.5508, 0.3332, 0.5428



52.0473, 0.3270, 0.5726



27.9767, 0.2967, 0.5482



8.5448, 0.3172, 0.3519



22.0349, 0.3241, 0.5809



0.5658, 0.3521, 0.5586

Inverse Universe

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



8.0458, 0.2501, 0.1344



11.0540, 0.2332, 0.1095



11.9348, 0.3392, 0.1818



7.5187, 0.3078, 0.3063



4.3256, 0.2271, 0.1025



0.1335, 0.2588, 0.1199

Previews

White Background



This preview shows how the Yxy color 29.5495, 0.3332, 0.5428 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 29.5495, 0.3332, 0.5428 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 29.5495, 0.3332, 0.5428

Background



This preview shows how black text looks on a background with the Yxy color 29.5495, 0.3332, 0.5428.



This preview shows how white text looks on a background with the Yxy color 29.5495, 0.3332, 0.5428.

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

29.5495, 0.3332, 0.5428

Protanopia

28.9881, 0.4301, 0.4749

Deuteranopia

29.1855, 0.4498, 0.4414



Tritanopia

29.4839, 0.2620, 0.3090

Trichromacy



Original Color

29.5495, 0.3332, 0.5428

Protanomaly

28.5631, 0.3905, 0.5023

Deuteranomaly

28.0897, 0.4036, 0.4793

Tritanomaly

29.0015, 0.2926, 0.3979

Monochromacy



Original Color

29.5495, 0.3332, 0.5428

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.7865, 0.3266, 0.4139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5495, 0.3332, 0.5428 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(89, 166, 40)` looks like.

```
.text, #text, p{  
    color:rgb(89, 166, 40)  
}
```

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(89, 166, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 166, 40) }
```

Border

The CSS property to change the border of an element to Yxy 29.5495, 0.3332, 0.5428 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(89, 166, 40) }
```

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

```
.border{ border-color:rgb(89, 166, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 166, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 166, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 166, 40);  
box-shadow:4px 4px 4px 4px rgb(89, 166,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5495, 0.3332, 0.5428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 166, 40) }
```

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

```
.background{ background-color: rgb(89, 166,  
40) }
```

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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