

Converting Colors

$Y_{xy}(28.9915, 0.3050, 0.5545)$

Have a look what the booklet for
Yxy(28.9915, 0.3050, 0.5545)
contains.

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Color

Yxy(28.9326, 0.3050, 0.5545)

Conversions

Conversions Part 1

Format	Color
Hex	34A82E
RGB	52, 168, 46
RGB Percent	20%, 66%, 18%
CMY	0.7959, 0.3412, 0.8196
CMYK	0.69, 0.00, 0.73, 0.34
HSL	117°, 57%, 42%
HSV	117°, 73%, 66%
XYZ	15.9142, 28.9326, 7.3310
YIQ	119.4080, -29.9740, -62.5340

Conversions

Conversions Part 2

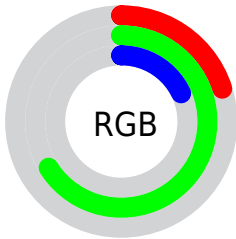
Format	Color
RYB	46, 168, 162
Decimal	3450926
CIELab	60.72, -55.12, 50.92
CIElCh	61, 75.034, 137.268
Yxy	28.9326, 0.3050, 0.5545
Android (android.graphics.Color)	4281641006 (0xFF34A82E)
YUV	119.4080, -36.1901, -59.1168
Hunter-Lab	53.7890, -41.3191, 29.5716

Details

The Yxy color **28.9326, 0.3050, 0.5545** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.4578, 0.3115, 0.1692**, and the grayscale version is **18.7141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8570, 0.3131, 0.5035**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.4713, 0.3033, 0.5774**, and if you desaturate by 10%, it is **29.5915, 0.3067, 0.5252**.

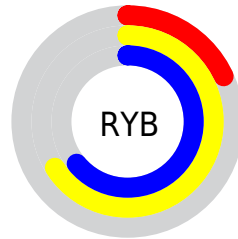
Distribution



Red (20%)

Green (66%)

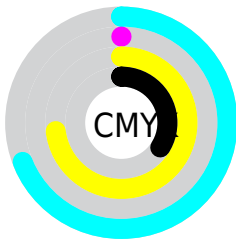
Blue (18%)



Red (18%)

Yellow (66%)

Blue (64%)

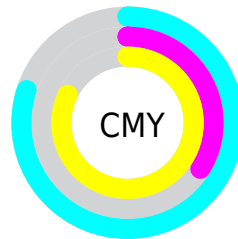


Cyan (69%)

Magenta (0%)

Yellow (73%)

Black (34%)



Cyan (80%)


Magenta (34%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9326, 0.3050, 0.5545 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 28.9326, 0.3050, 0.5545 by changing the saturation by 10% instead.

 28.9326, 0.3050,
0.5545


 28.9326, 0.3050,
0.5545


296.8968, 0.3177,
0.4247


 19.0298, 0.2970,
0.5915


 57.9700, 0.3127,
0.5035


 11.6918, 0.2828,
0.6404


 77.8734, 0.3146,
0.4854

 6.5342, 0.2627,
0.7214


 101.8791, 0.3158,
0.4706

 3.1726, 0.2084,
0.7916

 130.3716, 0.3166,
0.4583

 1.2225, 0.0000,
1.0000

 163.7352, 0.3171,
0.4479

 0.0799, 0.0000,
1.0000

 202.3544, 0.3174,

 0.0000, 0.0000,

0.4390

0.0000

246.6134, 0.3176,
0.4313

■ 28.9326, 0.3050,
0.5545

■ 28.9326, 0.3050,
0.5545

■ 28.4713, 0.3033,
0.5774

■ 29.5915, 0.3067,
0.5252

■ 28.1825, 0.3018,
0.5922

■ 30.4627, 0.3082,
0.4918

■ 28.0586, 0.3012,
0.5991

■ 31.5639, 0.3096,
0.4569

■ 32.9097, 0.3107,
0.4227

■ 34.5136, 0.3115,
0.3905

■ 36.3882, 0.3122,
0.3613

■ 38.5450, 0.3126,
0.3353

■ 40.9952, 0.3129,
0.3125

■ 43.7491, 0.3131,
0.2927

Harmonies

Analogous

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



28.9326, 0.4110, 0.5331



28.9326, 0.3050, 0.5545



28.9326, 0.2060, 0.4591

Triad

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



28.9326, 0.3050, 0.5545



28.9326, 0.1382, 0.1696



28.9326, 0.5128, 0.2996

Complementary

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



28.9326, 0.3050, 0.5545



12.4578, 0.3115, 0.1692

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.



28.9326, 0.4044, 0.2335



28.9326, 0.3050, 0.5545



28.9326, 0.1881, 0.1627

Square

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



28.9326, 0.3050, 0.5545



28.9326, 0.1232, 0.2141



28.9326, 0.2794, 0.1851



28.9326, 0.5457, 0.3736

Rectangle

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



28.9326, 0.3050, 0.5545



28.9326, 0.1589, 0.3594



28.9326, 0.2794, 0.1851



28.9326, 0.4830, 0.2764

Sweetspot

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



28.9338, 0.3050, 0.5545



62.6973, 0.3115, 0.3899



34.3273, 0.4131, 0.4799



13.4915, 0.3113, 0.3979



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.



28.9338, 0.3050, 0.5545



51.3175, 0.3024, 0.5873



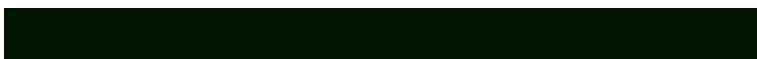
29.5236, 0.2728, 0.4609



8.4248, 0.3123, 0.3523



21.1958, 0.3014, 0.5989



0.5211, 0.3077, 0.5939

Inverse Universe

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



12.4578, 0.3115, 0.1692



19.6631, 0.3099, 0.1532



11.4740, 0.4156, 0.2371



7.6474, 0.3130, 0.3067



7.7597, 0.3088, 0.1475



0.1943, 0.3130, 0.1498

Previews

White Background



This preview shows how the Yxy color 28.9326, 0.3050, 0.5545 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 28.9326, 0.3050, 0.5545 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 28.9326, 0.3050, 0.5545

Background



This preview shows how black text looks on a background with the Yxy color 28.9326, 0.3050, 0.5545.



This preview shows how white text looks on a background with the Yxy color 28.9326, 0.3050, 0.5545.

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

28.9326, 0.3050, 0.5545

Protanopia

28.4975, 0.4265, 0.4717

Deuteranopia

28.2961, 0.4444, 0.4354



Tritanopia

28.8633, 0.2443, 0.3082

Trichromacy



Original Color

28.9326, 0.3050, 0.5545



Protanomaly

27.4893, 0.3725, 0.5084



Deuteranomaly

26.8203, 0.3826, 0.4835



Tritanomaly

28.3227, 0.2687, 0.3994

Monochromacy



Original Color

28.9326, 0.3050, 0.5545



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.0969, 0.3115, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9326, 0.3050, 0.5545 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(52, 168, 46)` looks like.

```
.text, #text, p{  
    color:rgb(52, 168, 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(52, 168, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 168, 46) }
```

Border

The CSS property to change the border of an element to Yxy 28.9326, 0.3050, 0.5545 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(52, 168, 46) }
```

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

```
.border{ border-color:rgb(52, 168, 46) }
```

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

Here you see how a box with a 4 pixel rgb(52, 168, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 168, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 168, 46);  
box-shadow:4px 4px 4px 4px rgb(52, 168,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9326, 0.3050, 0.5545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 168, 46) }
```

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

```
.background{ background-color: rgb(52, 168,  
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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