

Converting Colors

$Yxy(29.4036, 0.2932, 0.5696)$

Have a look what the booklet for
Yxy(29.4036, 0.2932, 0.5696)
contains.

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Color

Yxy(29.3575, 0.2932, 0.5698)

Conversions

Conversions Part 1

Format	Color
Hex	0AAB2A
RGB	10, 171, 42
RGB Percent	4%, 67%, 16%
CMY	0.9605, 0.3294, 0.8354
CMYK	0.94, 0.00, 0.75, 0.33
HSL	132°, 89%, 36%
HSV	132°, 94%, 67%
XYZ	15.1064, 29.3575, 7.0586
YIQ	108.1550, -54.5470, -74.2510

Conversions

Conversions Part 2

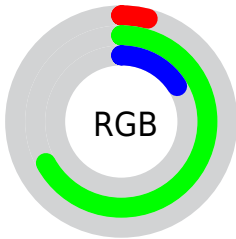
Format	Color
RYB	10, 144, 171
Decimal	699178
CIELab	61.10, -61.47, 52.58
CIElCh	61, 80.891, 139.457
Yxy	29.3575, 0.2932, 0.5698
Android (android.graphics.Color)	4278889258 (0xFF0AAB2A)
YUV	108.1550, -32.6144, -86.0819
Hunter-Lab	54.1826, -45.0527, 30.2038

Details

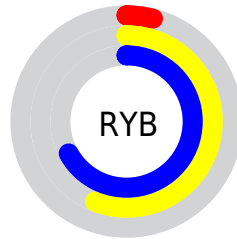
The Yxy color **29.3575, 0.2932, 0.5698** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.7441, 0.3737, 0.1861**, and the grayscale version is **15.1538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8181, 0.3040, 0.5155**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.2415, 0.2943, 0.5795**, and if you desaturate by 10%, it is **29.6446, 0.2914, 0.5493**.

Distribution



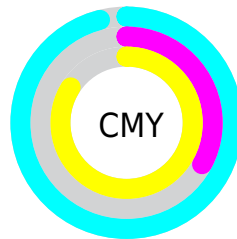
- Red (4%)
- Green (67%)
- Blue (16%)



- Red (4%)
- Yellow (56%)
- Blue (67%)



- Cyan (94%)
- Magenta (0%)
- Yellow (75%)
- Black (33%)





- Cyan (96%)
- Magenta (33%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3575, 0.2932, 0.5698 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 29.3575, 0.2932, 0.5698 by changing the saturation by 10% instead.


 29.3575, 0.2932,
0.5698

 29.3575, 0.2932,
0.5698


298.8980, 0.3132,
0.4306


 19.3514, 0.2828,
0.6095


 58.6446, 0.3040,
0.5151

 11.9245, 0.2655,
0.6616


 78.6944, 0.3069,
0.4957


 6.6923, 0.2417,
0.7503


 102.8610, 0.3089,
0.4798

 3.2704, 0.1803,
0.8197

 131.5286, 0.3103,
0.4666

 1.2745, 0.0000,
1.0000

 165.0817, 0.3114,
0.4555

 0.1213, 0.0000,
1.0000

 203.9047, 0.3122,

 0.0000, 0.0000,

0.4460

0.0000

248.3820, 0.3128,
0.4378

■ 29.3575, 0.2932,
0.5698

■ 29.3575, 0.2932,
0.5698

■ 29.2415, 0.2943,
0.5795

■ 29.6446, 0.2914,
0.5493

■ 30.1030, 0.2908,
0.5242

■ 30.7572, 0.2915,
0.4959

■ 31.6265, 0.2932,
0.4662

■ 32.7283, 0.2960,
0.4366

■ 34.0777, 0.2993,
0.4082

■ 35.6890, 0.3031,
0.3820

■ 37.5749, 0.3071,
0.3582

■ 39.7477, 0.3111,
0.3370

Harmonies

Analogous

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



29.3575, 0.4048, 0.5489



29.3575, 0.2932, 0.5698



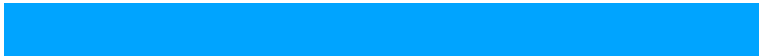
29.3575, 0.1917, 0.4582

Triad

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



29.3575, 0.2932, 0.5698



29.3575, 0.1321, 0.1594



29.3575, 0.5324, 0.3013

Complementary

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



29.3575, 0.2932, 0.5698



10.7441, 0.3737, 0.1861

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.



29.3575, 0.4204, 0.2324



29.3575, 0.2932, 0.5698



29.3575, 0.1863, 0.1552

Square

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



29.3575, 0.2932, 0.5698



29.3575, 0.1140, 0.2011



29.3575, 0.2854, 0.1805



29.3575, 0.5581, 0.3779

Rectangle

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



29.3575, 0.2932, 0.5698



29.3575, 0.1455, 0.3489



29.3575, 0.2854, 0.1805



29.3575, 0.5026, 0.2773

Sweetspot

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



29.3587, 0.2932, 0.5698



62.5892, 0.3014, 0.3932



34.8554, 0.3880, 0.5265



13.6938, 0.2998, 0.4044



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.3587, 0.2932, 0.5698



52.3446, 0.2950, 0.5818



30.5488, 0.2534, 0.4281



8.9644, 0.3090, 0.3477



22.0494, 0.2939, 0.5781



0.6208, 0.2790, 0.5242

Inverse Universe

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



10.7441, 0.3737, 0.1861



18.7152, 0.3792, 0.1863



9.2144, 0.5507, 0.2859



8.1204, 0.3167, 0.3110



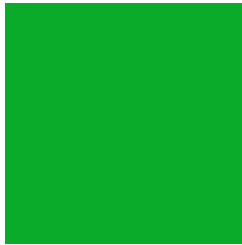
7.8981, 0.3774, 0.1853



0.2266, 0.3574, 0.1743

Previews

White Background



This preview shows how the Yxy color 29.3575, 0.2932, 0.5698 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 29.3575, 0.2932, 0.5698 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 29.3575, 0.2932, 0.5698

Background



This preview shows how black text looks on a background with the Yxy color 29.3575, 0.2932, 0.5698.



This preview shows how white text looks on a background with the Yxy color 29.3575, 0.2932, 0.5698.

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

29.3575, 0.2932, 0.5698

Protanopia

28.8873, 0.4285, 0.4750

Deuteranopia

28.6862, 0.4459, 0.4379



Tritanopia

29.1144, 0.2362, 0.3064

Trichromacy



Original Color

29.3575, 0.2932, 0.5698



Protanomaly

27.1050, 0.3569, 0.5251



Deuteranomaly

26.2854, 0.3659, 0.4996



Tritanomaly

28.3280, 0.2569, 0.4029

Monochromacy



Original Color

29.3575, 0.2932, 0.5698



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.2504, 0.2957, 0.4356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3575, 0.2932, 0.5698 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(10, 171, 42)` looks like.

```
.text, #text, p{  
    color:rgb(10, 171, 42)  
}
```

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(10, 171, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 171, 42) }
```

Border

The CSS property to change the border of an element to Yxy 29.3575, 0.2932, 0.5698 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(10, 171, 42) }
```

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

```
.border{ border-color:rgb(10, 171, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 171, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 171, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 171, 42);  
box-shadow:4px 4px 4px 4px rgb(10, 171,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3575, 0.2932, 0.5698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 171, 42) }
```

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

```
.background{ background-color: rgb(10, 171,  
42) }
```

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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