

Converting Colors

$Y_{xy}(29.5985, 0.3473, 0.5624)$

Have a look what the booklet for
Yxy(29.5985, 0.3473, 0.5624)
contains.

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Color

Yxy(29.7053, 0.3475, 0.5623)

Conversions

Conversions Part 1

Format	Color
Hex	5FA600
RGB	95, 166, 0
RGB Percent	37%, 65%, 0%
CMY	0.6273, 0.3490, 1.0000
CMYK	0.43, 0.00, 1.00, 0.35
HSL	86°, 100%, 33%
HSV	86°, 100%, 65%
XYZ	18.3578, 29.7053, 4.7651
YIQ	125.8470, 10.9700, -66.6780

Conversions

Conversions Part 2

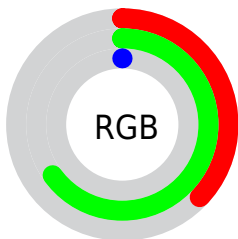
Format	Color
RYB	0, 166, 71
Decimal	6268416
CIELab	61.40, -44.59, 62.97
CIELCh	61, 77.159, 125.307
Yxy	29.7053, 0.3475, 0.5623
Android (android.graphics.Color)	4284458496 (0xFF5FA600)
YUV	125.8470, -62.0426, -27.0528
Hunter-Lab	54.5026, -35.2563, 32.9681

Details

The Yxy color **29.7053, 0.3475, 0.5623** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.0915, 0.1898, 0.0819**, and the grayscale version is **21.0245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4124, 0.3488, 0.5142**, and **12.1503, 0.3169, 0.5866** is the 20% darker color. If you saturate the color by 10%, you get **29.7066, 0.3475, 0.5623**, and if you desaturate by 10%, it is **30.1436, 0.3516, 0.5512**.

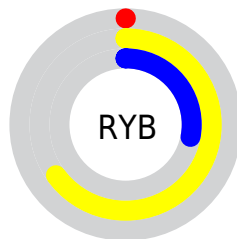
Distribution



Red (37%)

Green (65%)

Blue (0%)



Red (0%)

Yellow (65%)

Blue (28%)

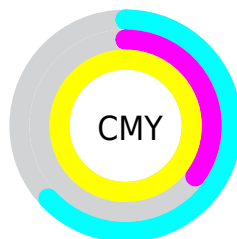


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (63%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7053, 0.3475, 0.5623 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 29.7053, 0.3475, 0.5623 by changing the saturation by 10% instead.


 29.7053, 0.3475,
0.5623


 29.7053, 0.3475,
0.5623


300.5284, 0.3405,
0.4338

 19.6150, 0.3429,
0.5948


 59.1958, 0.3490,
0.5143

 12.1155, 0.3330,
0.6361


 79.3648, 0.3482,
0.4964


 6.8224, 0.3123,
0.6877


 103.6622, 0.3470,
0.4815

 3.3513, 0.2646,
0.7354

 132.4723, 0.3457,
0.4689

 1.3178, 0.0776,
0.9224

 166.1796, 0.3443,
0.4582

 0.1549, 0.0000,
1.0000


 205.1685, 0.3430,


 0.0000, 0.0000,


0.4489


0.0000


 249.8233, 0.3417,
0.4409


 29.7053, 0.3475,
0.5623


 29.7053, 0.3475,
0.5623


 29.7066, 0.3475,
0.5623

 30.1436, 0.3516,
0.5512

 30.6485, 0.3540,
0.5358

 31.2357, 0.3541,
0.5156

 31.9120, 0.3520,
0.4914

 32.6833, 0.3479,
0.4645

■ 33.5547, 0.3423,
0.4362

■ 34.5310, 0.3356,
0.4076

■ 35.6166, 0.3282,
0.3799

■ 36.8157, 0.3205,
0.3535

Harmonies

Analogous

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



29.7053, 0.4513, 0.5066



29.7053, 0.3475, 0.5623



29.7053, 0.2410, 0.5145

Triad

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



29.7053, 0.3475, 0.5623



29.7053, 0.1259, 0.1797



29.7053, 0.4792, 0.2708

Complementary

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



29.7053, 0.3475, 0.5623



4.0915, 0.1898, 0.0819

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.



29.7053, 0.3533, 0.2097



29.7053, 0.3475, 0.5623



29.7053, 0.1615, 0.1594

Square

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



29.7053, 0.3475, 0.5623



29.7053, 0.1240, 0.2443



29.7053, 0.2365, 0.1707



29.7053, 0.5472, 0.3427

Rectangle

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



29.7053, 0.3475, 0.5623



29.7053, 0.1824, 0.4211



29.7053, 0.2365, 0.1707



29.7053, 0.4403, 0.2487

Sweetspot

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



29.7066, 0.3475, 0.5623



62.5674, 0.3360, 0.4092



12.3836, 0.5636, 0.3907



13.8363, 0.3388, 0.4208



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.



29.7066, 0.3475, 0.5623



53.7884, 0.3463, 0.5632



27.3641, 0.3021, 0.5984



8.6117, 0.3199, 0.3517



23.0643, 0.3481, 0.5618



0.5904, 0.3719, 0.5429

Inverse Universe

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



4.0915, 0.1898, 0.0819



7.3064, 0.1880, 0.0809



9.4445, 0.3002, 0.1428



7.4515, 0.3050, 0.3061



3.1993, 0.1908, 0.0824



0.1082, 0.2307, 0.1044

Previews

White Background



This preview shows how the Yxy color 29.7053, 0.3475, 0.5623 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 29.7053, 0.3475, 0.5623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

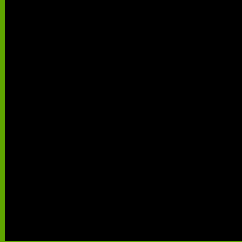
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7053, 0.3475, 0.5623

Background



This preview shows how black text looks on a background with the Yxy color 29.7053, 0.3475, 0.5623.



This preview shows how white text looks on a background with the Yxy color 29.7053, 0.3475, 0.5623.

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

29.7053, 0.3475, 0.5623

Protanopia

29.2868, 0.4396, 0.4892

Deuteranopia

29.3051, 0.4620, 0.4528



Tritanopia

29.5461, 0.2665, 0.3076

Trichromacy



Original Color

29.7053, 0.3475, 0.5623

Protanomaly

29.0181, 0.4027, 0.5185

Deuteranomaly

28.3213, 0.4195, 0.4947

Tritanomaly

28.6825, 0.3101, 0.4233

Monochromacy



Original Color

29.7053, 0.3475, 0.5623

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

23.2738, 0.3440, 0.4438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7053, 0.3475, 0.5623 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(95, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 166, 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(95, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 166, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.7053, 0.3475, 0.5623 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(95, 166, 0) }
```

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

```
.border{ border-color:rgb(95, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 166, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.7053, 0.3475, 0.5623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 166, 0) }
```

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

```
.background{ background-color: rgb(95, 166,  
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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