

Converting Colors

$Y_{xy}(30.7038, 0.3416, 0.5602)$

Have a look what the booklet for
Yxy(30.7038, 0.3416, 0.5602)
contains.

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Color

Yxy(30.6857, 0.3412, 0.5603)

Conversions

Conversions Part 1

Format	Color
Hex	5CA90F
RGB	92, 169, 15
RGB Percent	36%, 66%, 6%
CMY	0.6393, 0.3372, 0.9407
CMYK	0.46, 0.00, 0.91, 0.34
HSL	90°, 84%, 36%
HSV	90°, 91%, 66%
XYZ	18.6863, 30.6857, 5.3945
YIQ	128.4210, 3.5420, -64.2180

Conversions

Conversions Part 2

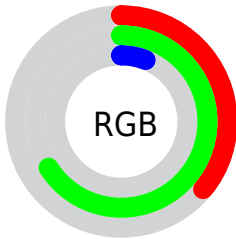
Format	Color
RYB	15, 169, 92
Decimal	6072591
CIELab	62.24, -46.51, 61.44
CIElCh	62, 77.062, 127.125
Yxy	30.6857, 0.3412, 0.5603
Android (android.graphics.Color)	4284262671 (0xFF5CA90F)
YUV	128.4210, -55.9166, -31.9412
Hunter-Lab	55.3947, -36.7271, 33.0024

Details

The Yxy color **30.6857, 0.3412, 0.5603** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.4942, 0.2130, 0.0995**, and the grayscale version is **21.9414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8192, 0.3433, 0.5121**, and **12.7520, 0.3125, 0.5901** is the 20% darker color. If you saturate the color by 10%, you get **30.2814, 0.3370, 0.5707**, and if you desaturate by 10%, it is **31.2168, 0.3446, 0.5446**.

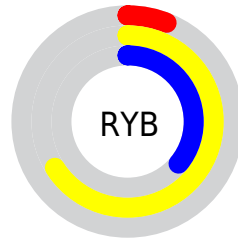
Distribution



Red (36%)

Green (66%)

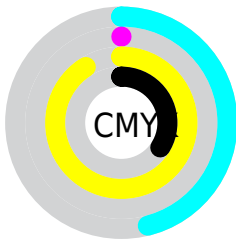
Blue (6%)



Red (6%)

Yellow (66%)

Blue (36%)

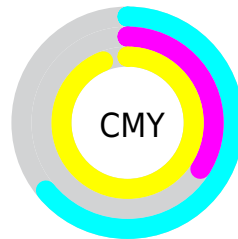


Cyan (46%)

Magenta (0%)

Yellow (91%)

Black (34%)



Cyan (64%)


Magenta (34%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6857, 0.3412, 0.5603 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 30.6857, 0.3412, 0.5603 by changing the saturation by 10% instead.

 30.6857, 0.3412,
0.5603


 30.6857, 0.3412,
0.5603


305.0877, 0.3369,
0.4325

 20.3596, 0.3364,
0.5932


 60.7449, 0.3434,
0.5122


 12.6567, 0.3260,
0.6342

 81.2468, 0.3430,
0.4945

 7.1926, 0.3078,
0.6922


 105.9095, 0.3422,
0.4797

 3.5828, 0.2601,
0.7399

 135.1173, 0.3412,
0.4673

 1.4431, 0.0957,
0.9043

 169.2546, 0.3401,
0.4566

 0.2481, 0.0000,
1.0000

 208.7059, 0.3390,

 0.0000, 0.0000,

0.4475

0.0000

■ 253.8554, 0.3380,
0.4395

■ 30.6857, 0.3412,
0.5603

■ 30.6857, 0.3412,
0.5603

■ 30.2814, 0.3370,
0.5707

■ 31.2168, 0.3446,
0.5446

■ 31.8440, 0.3459,
0.5236

■ 32.5762, 0.3451,
0.4984

■ 33.4204, 0.3423,
0.4705

■ 34.3825, 0.3380,
0.4411

■ 35.4681, 0.3326,
0.4117

■ 36.6823, 0.3265,
0.3832

■ 38.0298, 0.3200,
0.3564

■ 39.5153, 0.3134,
0.3315

Harmonies

Analogous

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



30.6857, 0.4448, 0.5101



30.6857, 0.3412, 0.5603



30.6857, 0.2362, 0.5050

Triad

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



30.6857, 0.3412, 0.5603



30.6857, 0.1286, 0.1789



30.6857, 0.4836, 0.2756

Complementary

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



30.6857, 0.3412, 0.5603



5.4942, 0.2130, 0.0995

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.



30.6857, 0.3608, 0.2140



30.6857, 0.3412, 0.5603



30.6857, 0.1661, 0.1607

Square

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



30.6857, 0.3412, 0.5603



30.6857, 0.1247, 0.2399



30.6857, 0.2432, 0.1737



30.6857, 0.5459, 0.3476

Rectangle

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



30.6857, 0.3412, 0.5603



30.6857, 0.1795, 0.4107



30.6857, 0.2432, 0.1737



30.6857, 0.4463, 0.2534

Sweetspot

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



30.6870, 0.3412, 0.5603



64.2639, 0.3305, 0.4014



16.1369, 0.5211, 0.4146



13.8581, 0.3324, 0.4108



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.



30.6870, 0.3412, 0.5603



54.1033, 0.3358, 0.5716



28.5159, 0.3004, 0.5917



8.5848, 0.3188, 0.3518



22.5986, 0.3377, 0.5701



0.5803, 0.3641, 0.5491

Inverse Universe

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



5.4942, 0.2130, 0.0995



8.4319, 0.2014, 0.0883



11.6460, 0.3208, 0.1576



7.4781, 0.3061, 0.3062



3.5926, 0.2041, 0.0898



0.1178, 0.2419, 0.1106

Previews

White Background



This preview shows how the Yxy color 30.6857, 0.3412, 0.5603 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.6857, 0.3412, 0.5603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

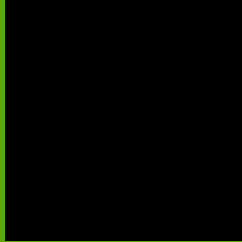
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6857, 0.3412, 0.5603

Background



This preview shows how black text looks on a background with the Yxy color 30.6857, 0.3412, 0.5603.



This preview shows how white text looks on a background with the Yxy color 30.6857, 0.3412, 0.5603.

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

30.6857, 0.3412, 0.5603

Protanopia

30.2477, 0.4404, 0.4885

Deuteranopia

30.1709, 0.4598, 0.4512



Tritanopia

30.5269, 0.2633, 0.3077

Trichromacy



Original Color

30.6857, 0.3412, 0.5603

Protanomaly

29.7898, 0.4008, 0.5175

Deuteranomaly

29.3175, 0.4137, 0.4933

Tritanomaly

29.7079, 0.3008, 0.4136

Monochromacy



Original Color

30.6857, 0.3412, 0.5603

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.9779, 0.3369, 0.4340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6857, 0.3412, 0.5603 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(92, 169, 15)` looks like.

```
.text, #text, p{  
    color:rgb(92, 169, 15)  
}
```

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(92, 169, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 169, 15) }
```

Border

The CSS property to change the border of an element to Yxy 30.6857, 0.3412, 0.5603 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(92, 169, 15) }
```

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

```
.border{ border-color:rgb(92, 169, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 169, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 169, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 169, 15);  
box-shadow:4px 4px 4px 4px rgb(92, 169,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6857, 0.3412, 0.5603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 169, 15) }
```

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

```
.background{ background-color: rgb(92, 169,  
15) }
```

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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