

Converting Colors

$Y_{xy}(30.3151, 0.3370, 0.5706)$

Have a look what the booklet for
Yxy(30.3151, 0.3370, 0.5706)
contains.

Yxy(30.2608, 0.3366, 0.5709)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.2608, 0.3366, 0.5709)

Conversions

Conversions Part 1

Format	Color
Hex	54A900
RGB	84, 169, 0
RGB Percent	33%, 66%, 0%
CMY	0.6708, 0.3372, 0.9996
CMYK	0.50, 0.00, 1.00, 0.34
HSL	90°, 100%, 33%
HSV	90°, 100%, 66%
XYZ	17.8416, 30.2608, 4.9030
YIQ	124.3190, 3.5890, -70.5790

Conversions

Conversions Part 2

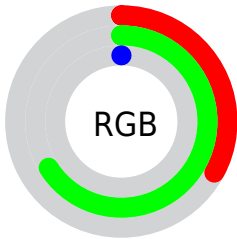
Format	Color
RYB	0, 169, 85
Decimal	5548288
CIELab	61.88, -49.40, 63.12
CIELCh	62, 80.151, 128.046
Yxy	30.2608, 0.3366, 0.5709
Android (android.graphics.Color)	4283738368 (0xFF54A900)
YUV	124.3190, -61.2893, -35.3598
Hunter-Lab	55.0098, -38.3733, 33.2224

Details

The Yxy color **30.2608, 0.3366, 0.5709** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.8055, 0.2037, 0.0896**, and the grayscale version is **20.4770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0956, 0.3406, 0.5207**, and **12.5619, 0.3035, 0.5972** is the 20% darker color. If you saturate the color by 10%, you get **30.2595, 0.3366, 0.5710**, and if you desaturate by 10%, it is **30.7190, 0.3413, 0.5591**.

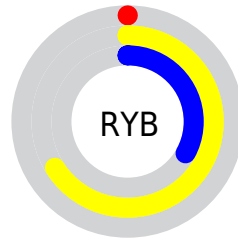
Distribution



Red (33%)

Green (66%)

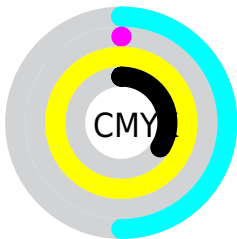
Blue (0%)



Red (0%)

Yellow (66%)

Blue (33%)

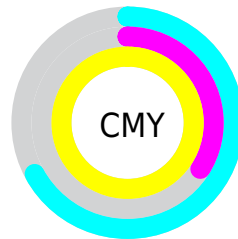


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (67%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2608, 0.3366, 0.5709 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 30.2608, 0.3366, 0.5709 by changing the saturation by 10% instead.

 30.2608, 0.3366,
0.5709


 30.2608, 0.3366,
0.5709


303.1182, 0.3358,
0.4368


 20.0366, 0.3303,
0.6053


 60.0744, 0.3405,
0.5205

 12.4217, 0.3181,
0.6487


 80.4326, 0.3406,
0.5019

 7.0315, 0.2949,
0.7051


 104.9375, 0.3401,
0.4863

 3.4818, 0.2438,
0.7562

 133.9737, 0.3394,
0.4733

 1.3882, 0.0308,
0.9692

 167.9255, 0.3385,
0.4621


 0.2080, 0.0000,
1.0000

 207.1772, 0.3376,

 0.0000, 0.0000,


0.4525


0.0000

 252.1133, 0.3367,
0.4441


 30.2608, 0.3366,
0.5709


 30.2608, 0.3366,
0.5709


 30.2595, 0.3366,
0.5710

 30.7190, 0.3413,
0.5591

 31.2594, 0.3445,
0.5428

 31.8986, 0.3456,
0.5212

 32.6442, 0.3446,
0.4956

 33.5030, 0.3417,
0.4674

■ 34.4810, 0.3373,
0.4379

■ 35.5837, 0.3318,
0.4085

■ 36.8161, 0.3257,
0.3802

■ 38.1832, 0.3192,
0.3535

Harmonies

Analogous

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



30.2608, 0.4441, 0.5174



30.2608, 0.3366, 0.5709



30.2608, 0.2290, 0.5105

Triad

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



30.2608, 0.3366, 0.5709



30.2608, 0.1238, 0.1724



30.2608, 0.4943, 0.2751

Complementary

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



30.2608, 0.3366, 0.5709



4.8055, 0.2037, 0.0896

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.



30.2608, 0.3666, 0.2117



30.2608, 0.3366, 0.5709



30.2608, 0.1630, 0.1554

Square

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



30.2608, 0.3366, 0.5709



30.2608, 0.1184, 0.2328



30.2608, 0.2434, 0.1697



30.2608, 0.5556, 0.3486

Rectangle

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



30.2608, 0.3366, 0.5709



30.2608, 0.1717, 0.4093



30.2608, 0.2434, 0.1697



30.2608, 0.4558, 0.2523

Sweetspot

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



30.2621, 0.3366, 0.5709



63.5972, 0.3322, 0.4103



14.8632, 0.5396, 0.4097



13.6832, 0.3345, 0.4221



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.



30.2621, 0.3366, 0.5709



54.0629, 0.3354, 0.5719



28.3800, 0.3000, 0.5999



8.5838, 0.3188, 0.3518



22.5816, 0.3373, 0.5704



0.5799, 0.3638, 0.5493

Inverse Universe

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



4.8055, 0.2037, 0.0896



8.4727, 0.2019, 0.0886



11.3030, 0.3209, 0.1542



7.4792, 0.3062, 0.3062



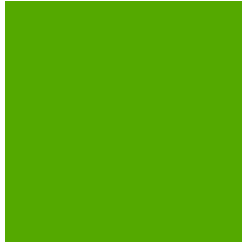
3.6097, 0.2047, 0.0901



0.1182, 0.2423, 0.1109

Previews

White Background



This preview shows how the Yxy color 30.2608, 0.3366, 0.5709 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 30.2608, 0.3366, 0.5709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

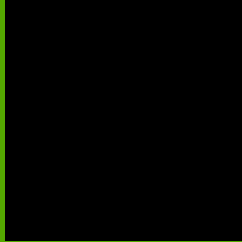
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2608, 0.3366, 0.5709

Background



This preview shows how black text looks on a background with the Yxy color 30.2608, 0.3366, 0.5709.



This preview shows how white text looks on a background with the Yxy color 30.2608, 0.3366, 0.5709.

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

30.2608, 0.3366, 0.5709

Protanopia

29.8197, 0.4405, 0.4884

Deuteranopia

29.7359, 0.4609, 0.4520



Tritanopia

30.1420, 0.2589, 0.3075

Trichromacy



Original Color

30.2608, 0.3366, 0.5709

Protanomaly

29.0953, 0.3983, 0.5219

Deuteranomaly

28.6752, 0.4137, 0.4987

Tritanomaly

29.2251, 0.3004, 0.4262

Monochromacy



Original Color

30.2608, 0.3366, 0.5709

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.5719, 0.3384, 0.4468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2608, 0.3366, 0.5709 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(84, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(84, 169, 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(84, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 169, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.2608, 0.3366, 0.5709 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(84, 169, 0) }
```

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

```
.border{ border-color:rgb(84, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(84, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(84, 169, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.2608, 0.3366, 0.5709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 169, 0) }
```

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

```
.background{ background-color: rgb(84, 169,  
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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