

Converting Colors

$Y_{xy}(30.2341, 0.3462, 0.5619)$

Have a look what the booklet for
Yxy(30.2341, 0.3462, 0.5619)
contains.

Yxy(30.0769, 0.3465, 0.5617)	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(30.0769, 0.3465, 0.5617)

Conversions

Conversions Part 1

Format	Color
Hex	5FA703
RGB	95, 167, 3
RGB Percent	37%, 65%, 1%
CMY	0.6275, 0.3451, 0.9879
CMYK	0.43, 0.00, 0.98, 0.35
HSL	86°, 96%, 33%
HSV	86°, 98%, 65%
XYZ	18.5538, 30.0769, 4.9155
YIQ	126.7760, 9.7320, -66.2680

Conversions

Conversions Part 2

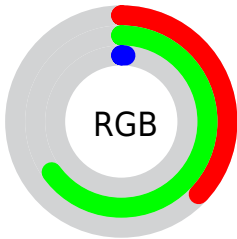
Format	Color
RYB	3, 167, 75
Decimal	6268675
CIELab	61.72, -44.96, 62.79
CIELCh	62, 77.222, 125.603
Yxy	30.0769, 0.3465, 0.5617
Android (android.graphics.Color)	4284458755 (0xFF5FA703)
YUV	126.7760, -61.0216, -27.8676
Hunter-Lab	54.8424, -35.5858, 33.0755

Details

The Yxy color **30.0769, 0.3465, 0.5617** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.3569, 0.1939, 0.0852**, and the grayscale version is **21.3562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9588, 0.3481, 0.5140**, and **12.3747, 0.3166, 0.5868** is the 20% darker color. If you saturate the color by 10%, you get **29.9996, 0.3457, 0.5637**, and if you desaturate by 10%, it is **30.5327, 0.3506, 0.5500**.

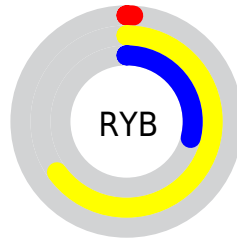
Distribution



Red (37%)

Green (65%)

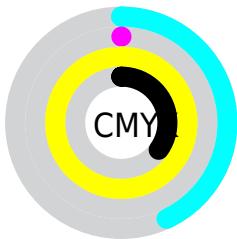
Blue (1%)



Red (1%)

Yellow (65%)

Blue (29%)

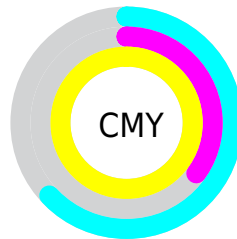


Cyan (43%)

Magenta (0%)

Yellow (98%)

Black (35%)



Cyan (63%)


Magenta (35%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0769, 0.3465, 0.5617 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 30.0769, 0.3465, 0.5617 by changing the saturation by 10% instead.


 30.0769, 0.3465,
0.5617


 30.0769, 0.3465,
0.5617


 302.2627, 0.3399,
0.4336


 19.8970, 0.3419,
0.5942


 59.7838, 0.3481,
0.5138

 12.3202, 0.3320,
0.6351


 80.0795, 0.3473,
0.4960

 6.9621, 0.3120,
0.6880


 104.5159, 0.3462,
0.4812

 3.4384, 0.2647,
0.7353

 133.4775, 0.3450,
0.4686

 1.3647, 0.0905,
0.9095

 167.3486, 0.3436,
0.4579

 0.1905, 0.0000,
1.0000


 206.5135, 0.3423,


 0.0000, 0.0000,


0.4487


0.0000


 251.3568, 0.3411,
0.4406


 30.0769, 0.3465,
0.5617


 30.0769, 0.3465,
0.5617


 29.9996, 0.3457,
0.5637

 30.5327, 0.3506,
0.5500

 31.0629, 0.3527,
0.5336

 31.6798, 0.3526,
0.5123

 32.3901, 0.3503,
0.4873

 33.1997, 0.3461,
0.4598

■ 34.1140, 0.3404,
0.4312

■ 35.1377, 0.3337,
0.4026

■ 36.2754, 0.3264,
0.3750

■ 37.5311, 0.3189,
0.3489

Harmonies

Analogous

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



30.0769, 0.4501, 0.5071



30.0769, 0.3465, 0.5617



30.0769, 0.2403, 0.5127

Triad

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



30.0769, 0.3465, 0.5617



30.0769, 0.1265, 0.1797



30.0769, 0.4798, 0.2716

Complementary

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



30.0769, 0.3465, 0.5617



4.3569, 0.1939, 0.0852

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.



30.0769, 0.3544, 0.2105



30.0769, 0.3465, 0.5617



30.0769, 0.1624, 0.1598

Square

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



30.0769, 0.3465, 0.5617



30.0769, 0.1243, 0.2437



30.0769, 0.2377, 0.1714



30.0769, 0.5467, 0.3435

Rectangle

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



30.0769, 0.3465, 0.5617



30.0769, 0.1821, 0.4193



30.0769, 0.2377, 0.1714



30.0769, 0.4412, 0.2495

Sweetspot

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



30.0782, 0.3465, 0.5617



62.6625, 0.3347, 0.4065



13.1356, 0.5545, 0.3957



13.8511, 0.3375, 0.4182



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.



30.0782, 0.3465, 0.5617



53.5998, 0.3445, 0.5646



27.7394, 0.3017, 0.5970



8.6073, 0.3197, 0.3518



22.9839, 0.3464, 0.5632



0.5887, 0.3706, 0.5439

Inverse Universe

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



4.3569, 0.1939, 0.0852



7.4418, 0.1901, 0.0821



9.9326, 0.3047, 0.1460



7.4557, 0.3052, 0.3061



3.2580, 0.1928, 0.0836



0.1098, 0.2325, 0.1055

Previews

White Background



This preview shows how the Yxy color 30.0769, 0.3465, 0.5617 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 30.0769, 0.3465, 0.5617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

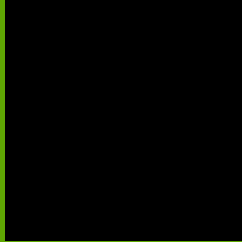
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0769, 0.3465, 0.5617

Background



This preview shows how black text looks on a background with the Yxy color 30.0769, 0.3465, 0.5617.



This preview shows how white text looks on a background with the Yxy color 30.0769, 0.3465, 0.5617.

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

30.0769, 0.3465, 0.5617

Protanopia

29.7104, 0.4394, 0.4893

Deuteranopia

29.7244, 0.4618, 0.4531



Tritanopia

29.9147, 0.2660, 0.3077

Trichromacy



Original Color

30.0769, 0.3465, 0.5617

Protanomaly

29.4418, 0.4026, 0.5181

Deuteranomaly

28.7406, 0.4193, 0.4943

Tritanomaly

29.0671, 0.3084, 0.4211

Monochromacy



Original Color

30.0769, 0.3465, 0.5617

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

23.6000, 0.3418, 0.4416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0769, 0.3465, 0.5617 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, 167, 3)` looks like.

```
.text, #text, p{  
    color:rgb(95, 167, 3)  
}
```

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, 167, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 167, 3) }
```

Border

The CSS property to change the border of an element to Yxy 30.0769, 0.3465, 0.5617 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, 167, 3) }
```

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

```
.border{ border-color:rgb(95, 167, 3) }
```

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

Here you see how a box with a 4 pixel rgb(95, 167, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 167, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 167, 3);  
box-shadow:4px 4px 4px 4px rgb(95, 167, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.0769, 0.3465, 0.5617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 167, 3) }
```

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

```
.background{ background-color: rgb(95, 167,  
3) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor