

Converting Colors

$Y_{xy}(30.0752, 0.3643, 0.5298)$

Have a look what the booklet for
Yxy(30.0752, 0.3643, 0.5298)
contains.

Yxy(30.0752, 0.3643, 0.5298)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0752, 0.3643, 0.5298)

Conversions

Conversions Part 1

Format	Color
Hex	75A31F
RGB	117, 163, 31
RGB Percent	46%, 64%, 12%
CMY	0.5412, 0.3608, 0.8784
CMYK	0.28, 0.00, 0.81, 0.36
HSL	81°, 68%, 38%
HSV	81°, 81%, 64%
XYZ	20.6802, 30.0752, 6.0116
YIQ	134.1980, 14.9560, -50.8040

Conversions

Conversions Part 2

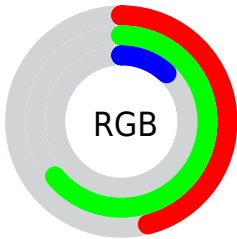
Format	Color
RYB	31, 163, 77
Decimal	7709471
CIELab	61.72, -34.27, 57.84
CIELCh	62, 67.230, 120.643
Yxy	30.0752, 0.3643, 0.5298
Android (android.graphics.Color)	4285899551 (0xFF75A31F)
YUV	134.1980, -50.8766, -15.0826
Hunter-Lab	54.8409, -28.6599, 31.8893

Details

The Yxy color **30.0752, 0.3643, 0.5298** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.2034, 0.2013, 0.1031**, and the grayscale version is **24.1043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7316, 0.3605, 0.4887**, and **12.4256, 0.3492, 0.5610** is the 20% darker color. If you saturate the color by 10%, you get **29.6295, 0.3627, 0.5434**, and if you desaturate by 10%, it is **30.5909, 0.3635, 0.5115**.

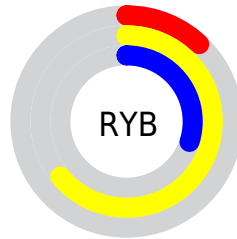
Distribution



Red (46%)

Green (64%)

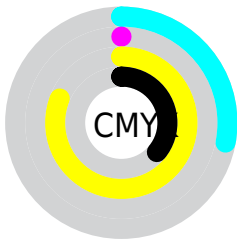
Blue (12%)



Red (12%)

Yellow (64%)

Blue (30%)

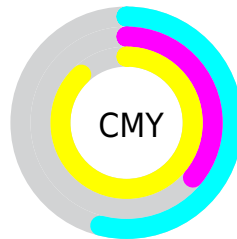


Cyan (28%)

Magenta (0%)

Yellow (81%)

Black (36%)



Cyan (54%)


Magenta (36%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0752, 0.3643, 0.5298 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 30.0752, 0.3643, 0.5298 by changing the saturation by 10% instead.


 30.0752, 0.3643,
0.5298


 30.0752, 0.3643,
0.5298


302.2548, 0.3454,
0.4203


 19.8957, 0.3644,
0.5576


 59.7811, 0.3603,
0.4889


 12.3192, 0.3607,
0.5920


 80.0762, 0.3578,
0.4738

 6.9615, 0.3549,
0.6451


 104.5120, 0.3553,
0.4611

 3.4380, 0.3185,
0.6815

 133.4729, 0.3530,
0.4504

 1.3645, 0.2252,
0.7748

 167.3432, 0.3509,
0.4412

 0.1903, 0.0000,
1.0000

 206.5074, 0.3489,

 0.0000, 0.0000,

0.4333

0.0000

251.3498, 0.3470,
0.4264

■ 30.0752, 0.3643,
0.5298

■ 30.0752, 0.3643,
0.5298

■ 29.6295, 0.3627,
0.5434

■ 30.5909, 0.3635,
0.5115

■ 29.2716, 0.3598,
0.5525

■ 31.1788, 0.3603,
0.4891

■ 31.8455, 0.3551,
0.4638

■ 32.5957, 0.3483,
0.4368

■ 33.4338, 0.3403,
0.4092

■ 34.3635, 0.3316,
0.3820

■ 35.3885, 0.3226,
0.3559

■ 36.5123, 0.3136,
0.3313

■ 37.7380, 0.3048,
0.3086

Harmonies

Analogous

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



30.0752, 0.4541, 0.4810



30.0752, 0.3643, 0.5298



30.0752, 0.2668, 0.4998

Triad

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



30.0752, 0.3643, 0.5298



30.0752, 0.1413, 0.2029



30.0752, 0.4428, 0.2691

Complementary

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



30.0752, 0.3643, 0.5298



5.2034, 0.2013, 0.1031

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.



30.0752, 0.3317, 0.2152



30.0752, 0.3643, 0.5298



30.0752, 0.1695, 0.1772

Square

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



30.0752, 0.3643, 0.5298



30.0752, 0.1457, 0.2707



30.0752, 0.2328, 0.1829



30.0752, 0.5141, 0.3354

Rectangle

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



30.0752, 0.3643, 0.5298



30.0752, 0.2101, 0.4285



30.0752, 0.2328, 0.1829



30.0752, 0.4074, 0.2493

Sweetspot

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



30.0765, 0.3643, 0.5298



60.9422, 0.3346, 0.3914



12.9191, 0.5312, 0.3841



13.5603, 0.3376, 0.4006



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.0765, 0.3643, 0.5298



52.5093, 0.3600, 0.5508



27.0520, 0.3112, 0.5683



8.1131, 0.3210, 0.3516



22.7741, 0.3604, 0.5521



0.5033, 0.3826, 0.5344

Inverse Universe

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



5.2034, 0.2013, 0.1031



6.4895, 0.1790, 0.0772



9.2881, 0.2877, 0.1477



6.9744, 0.3039, 0.3061



2.7502, 0.1784, 0.0756



0.0833, 0.2209, 0.0991

Previews

White Background



This preview shows how the Yxy color 30.0752, 0.3643, 0.5298 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 30.0752, 0.3643, 0.5298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

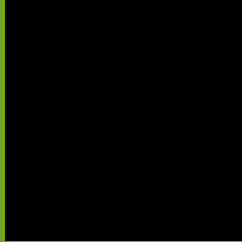
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0752, 0.3643, 0.5298

Background



This preview shows how black text looks on a background with the Yxy color 30.0752, 0.3643, 0.5298.



This preview shows how white text looks on a background with the Yxy color 30.0752, 0.3643, 0.5298.

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

30.0752, 0.3643, 0.5298

Protanopia

29.7895, 0.4333, 0.4802

Deuteranopia

29.6633, 0.4557, 0.4475



Tritanopia

30.0423, 0.2830, 0.3098

Trichromacy



Original Color

30.0752, 0.3643, 0.5298

Protanomaly

29.5846, 0.4076, 0.4991

Deuteranomaly

29.2184, 0.4216, 0.4772

Tritanomaly

29.5499, 0.3202, 0.3976

Monochromacy



Original Color

30.0752, 0.3643, 0.5298

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.7031, 0.3415, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0752, 0.3643, 0.5298 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(117, 163, 31)` looks like.

```
.text, #text, p{  
    color:rgb(117, 163, 31)  
}
```

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(117, 163, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 163, 31) }
```

Border

The CSS property to change the border of an element to Yxy 30.0752, 0.3643, 0.5298 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(117, 163, 31) }
```

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

```
.border{ border-color:rgb(117, 163, 31) }
```

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

Here you see how a box with a 4 pixel rgb(117, 163, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 163, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 163, 31);  
box-shadow:4px 4px 4px 4px rgb(117, 163,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0752, 0.3643, 0.5298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 163, 31) }
```

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

```
.background{ background-color: rgb(117,  
163, 31) }
```

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