

Converting Colors

$Y_{xy}(30.6180, 0.3765, 0.5495)$

Have a look what the booklet for
Yxy(30.6180, 0.3765, 0.5495)
contains.

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Color

Yxy(30.5440, 0.3730, 0.5420)

Conversions

Conversions Part 1

Format	Color
Hex	78A400
RGB	120, 164, 0
RGB Percent	47%, 64%, 0%
CMY	0.5295, 0.3568, 0.9996
CMYK	0.27, 0.00, 1.00, 0.36
HSL	76°, 100%, 32%
HSV	76°, 100%, 64%
XYZ	21.0201, 30.5440, 4.7901
YIQ	132.1480, 26.4200, -60.3320

Conversions

Conversions Part 2

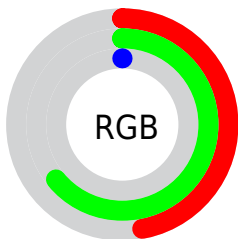
Format	Color
RYB	0, 164, 44
Decimal	7906304
CIELab	62.12, -34.36, 64.09
CIELCh	62, 72.717, 118.197
Yxy	30.5440, 0.3730, 0.5420
Android (android.graphics.Color)	4286096384 (0xFF78A400)
YUV	132.1480, -65.1490, -10.6538
Hunter-Lab	55.2666, -28.8258, 33.5478

Details

The Yxy color **30.5440, 0.3730, 0.5420** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.2208, 0.1673, 0.0696**, and the grayscale version is **23.3671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3876, 0.3686, 0.5005**, and **12.7122, 0.3510, 0.5595** is the 20% darker color. If you saturate the color by 10%, you get **30.5433, 0.3730, 0.5421**, and if you desaturate by 10%, it is **30.9062, 0.3750, 0.5331**.

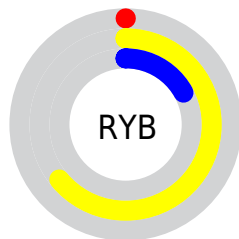
Distribution



Red (47%)

Green (64%)

Blue (0%)



Red (0%)

Yellow (64%)

Blue (17%)

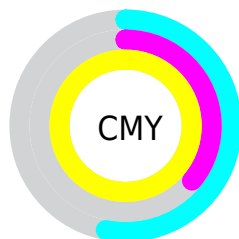


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (53%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5440, 0.3730, 0.5420 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 30.5440, 0.3730, 0.5420 by changing the saturation by 10% instead.


 30.5440, 0.3730,
0.5420


 30.5440, 0.3730,
0.5420


304.4320, 0.3517,
0.4281

 20.2519, 0.3725,
0.5693


 60.5214, 0.3689,
0.5005


 12.5783, 0.3683,
0.6031


 80.9755, 0.3661,
0.4847


 7.1388, 0.3557,
0.6443


 105.5857, 0.3634,
0.4714

 3.5490, 0.3198,
0.6802

 134.7364, 0.3607,
0.4601

 1.4247, 0.2346,
0.7654

 168.8120, 0.3582,
0.4504

 0.2348, 0.0000,
1.0000

 208.1968, 0.3558,

 0.0000, 0.0000,


0.4419


0.0000


 253.2754, 0.3537,
0.4346


 30.5440, 0.3730,
0.5420


 30.5440, 0.3730,
0.5420


 30.5433, 0.3730,
0.5421

 30.9062, 0.3750,
0.5331

 31.3134, 0.3751,
0.5204

 31.7802, 0.3728,
0.5032

 32.3125, 0.3680,
0.4821

 32.9154, 0.3612,
0.4580

■ 33.5934, 0.3529,
0.4321

■ 34.3506, 0.3434,
0.4054

■ 35.1907, 0.3332,
0.3789

■ 36.1171, 0.3229,
0.3532

Harmonies

Analogous

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



30.5440, 0.4672, 0.4816



30.5440, 0.3730, 0.5420



30.5440, 0.2700, 0.5219

Triad

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



30.5440, 0.3730, 0.5420



30.5440, 0.1312, 0.1983



30.5440, 0.4433, 0.2595

Complementary

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



30.5440, 0.3730, 0.5420



3.2208, 0.1673, 0.0696

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.



30.5440, 0.3227, 0.2048



30.5440, 0.3730, 0.5420



30.5440, 0.1577, 0.1693

Square

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



30.5440, 0.3730, 0.5420



30.5440, 0.1379, 0.2734



30.5440, 0.2204, 0.1732



30.5440, 0.5251, 0.3275

Rectangle

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



30.5440, 0.3730, 0.5420



30.5440, 0.2088, 0.4479



30.5440, 0.2204, 0.1732



30.5440, 0.4042, 0.2392

Sweetspot

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



30.5454, 0.3730, 0.5420



62.2570, 0.3440, 0.4071



9.6804, 0.6024, 0.3598



13.4877, 0.3479, 0.4178



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.



30.5454, 0.3730, 0.5420



55.3296, 0.3721, 0.5427



26.9719, 0.3095, 0.5924



8.1412, 0.3222, 0.3515



23.4413, 0.3734, 0.5417



0.5138, 0.3910, 0.5277

Inverse Universe

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



3.2208, 0.1673, 0.0696



5.7507, 0.1657, 0.0687



7.1002, 0.2630, 0.1223



6.9477, 0.3027, 0.3061



2.4872, 0.1681, 0.0699



0.0741, 0.2065, 0.0911

Previews

White Background



This preview shows how the Yxy color 30.5440, 0.3730, 0.5420 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 30.5440, 0.3730, 0.5420 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 30.5440, 0.3730, 0.5420

Background



This preview shows how black text looks on a background with the Yxy color 30.5440, 0.3730, 0.5420.



This preview shows how white text looks on a background with the Yxy color 30.5440, 0.3730, 0.5420.

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

30.5440, 0.3730, 0.5420

Protanopia

30.2477, 0.4404, 0.4885

Deuteranopia

30.2637, 0.4635, 0.4539



Tritanopia

30.3240, 0.2849, 0.3085

Trichromacy



Original Color

30.5440, 0.3730, 0.5420

Protanomaly

30.0220, 0.4149, 0.5088

Deuteranomaly

29.7557, 0.4310, 0.4869

Tritanomaly

29.5427, 0.3330, 0.4160

Monochromacy



Original Color

30.5440, 0.3730, 0.5420

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

25.1758, 0.3541, 0.4354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5440, 0.3730, 0.5420 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(120, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 164, 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(120, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 164, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.5440, 0.3730, 0.5420 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(120, 164, 0) }
```

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

```
.border{ border-color:rgb(120, 164, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 164,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5440, 0.3730, 0.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 164, 0) }
```

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

```
.background{ background-color: rgb(120,  
164, 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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