

Converting Colors

$Y_{xy}(30.7462, 0.3873, 0.5307)$

Have a look what the booklet for
Yxy(30.7462, 0.3873, 0.5307)
contains.

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Color

Yxy(30.7462, 0.3873, 0.5307)

Conversions

Conversions Part 1

Format	Color
Hex	84A200
RGB	132, 162, 0
RGB Percent	52%, 64%, 0%
CMY	0.4823, 0.3647, 1.0000
CMYK	0.19, 0.00, 1.00, 0.36
HSL	71°, 100%, 32%
HSV	71°, 100%, 64%
XYZ	22.4383, 30.7462, 4.7507
YIQ	134.5620, 34.1220, -56.7420

Conversions

Conversions Part 2

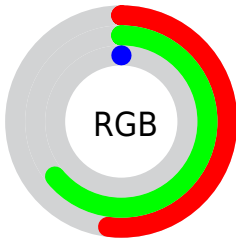
Format	Color
RYB	0, 162, 30
Decimal	8692224
CIELab	62.29, -28.45, 64.58
CIELCh	62, 70.567, 113.775
Yxy	30.7462, 0.3873, 0.5307
Android (android.graphics.Color)	4286882304 (0xFF84A200)
YUV	134.5620, -66.3391, -2.2469
Hunter-Lab	55.4493, -24.8037, 33.7347

Details

The Yxy color **30.7462, 0.3873, 0.5307** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.8843, 0.1593, 0.0651**, and the grayscale version is **24.3007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9389, 0.3801, 0.4925**, and **12.7296, 0.3696, 0.5447** is the 20% darker color. If you saturate the color by 10%, you get **30.7477, 0.3873, 0.5307**, and if you desaturate by 10%, it is **31.0309, 0.3879, 0.5231**.

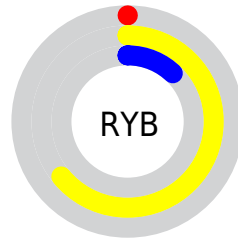
Distribution



Red (52%)

Green (64%)

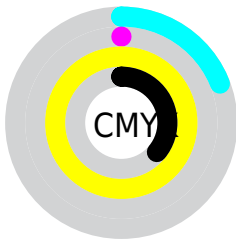
Blue (0%)



Red (0%)

Yellow (64%)

Blue (12%)

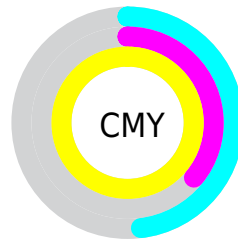


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (48%)


Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7462, 0.3873, 0.5307 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 30.7462, 0.3873, 0.5307 by changing the saturation by 10% instead.

 30.7462, 0.3873,
0.5307


 30.7462, 0.3873,
0.5307


305.3674, 0.3580,
0.4247

 20.4057, 0.3891,
0.5553


 60.8403, 0.3801,
0.4927

 12.6903, 0.3879,
0.5852


 81.3626, 0.3763,
0.4781


 7.2156, 0.3795,
0.6205


 106.0476, 0.3726,
0.4656

 3.5973, 0.3502,
0.6498

 135.2798, 0.3691,
0.4550

 1.4510, 0.2922,
0.7078

 169.4434, 0.3659,
0.4459


 0.2538, 0.0000,
1.0000


 208.9230, 0.3631,


 0.0000, 0.0000,

0.4379


0.0000


 254.1028, 0.3604,
0.4309

 30.7462, 0.3873,
0.5307


 30.7462, 0.3873,
0.5307


 30.7477, 0.3873,
0.5307

 31.0309, 0.3879,
0.5231

 31.3516, 0.3866,
0.5121

 31.7228, 0.3828,
0.4967

 32.1502, 0.3767,
0.4773

 32.6385, 0.3684,
0.4548

■ 33.1920, 0.3585,
0.4301

■ 33.8146, 0.3476,
0.4044

■ 34.5097, 0.3360,
0.3785

■ 35.2806, 0.3243,
0.3532

Harmonies

Analogous

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



30.7462, 0.4757, 0.4679



30.7462, 0.3873, 0.5307



30.7462, 0.2866, 0.5248

Triad

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



30.7462, 0.3873, 0.5307



30.7462, 0.1342, 0.2097



30.7462, 0.4230, 0.2525

Complementary

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



30.7462, 0.3873, 0.5307



2.8843, 0.1593, 0.0651

Split Complementary

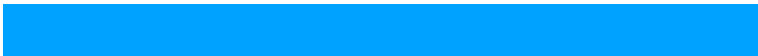
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.7462, 0.3059, 0.2017



30.7462, 0.3873, 0.5307



30.7462, 0.1554, 0.1752

Square

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



30.7462, 0.3873, 0.5307



30.7462, 0.1463, 0.2911



30.7462, 0.2115, 0.1745



30.7462, 0.5114, 0.3182

Rectangle

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



30.7462, 0.3873, 0.5307



30.7462, 0.2243, 0.4623



30.7462, 0.2115, 0.1745



30.7462, 0.3841, 0.2334

Sweetspot

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



30.7477, 0.3873, 0.5307



61.3208, 0.3482, 0.4059



8.5948, 0.6192, 0.3465



13.6676, 0.3527, 0.4163



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.



30.7477, 0.3873, 0.5307



55.7376, 0.3867, 0.5312



26.5521, 0.3162, 0.5871



8.1707, 0.3234, 0.3514



24.2412, 0.3876, 0.5305



0.5256, 0.3999, 0.5207

Inverse Universe

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



2.8843, 0.1593, 0.0651



5.1704, 0.1581, 0.0644



5.9687, 0.2430, 0.1112



6.9201, 0.3014, 0.3060



2.2868, 0.1599, 0.0654



0.0645, 0.1904, 0.0822

Previews

White Background



This preview shows how the Yxy color 30.7462, 0.3873, 0.5307 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 30.7462, 0.3873, 0.5307 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 30.7462, 0.3873, 0.5307

Background



This preview shows how black text looks on a background with the Yxy color 30.7462, 0.3873, 0.5307.



This preview shows how white text looks on a background with the Yxy color 30.7462, 0.3873, 0.5307.

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

30.7462, 0.3873, 0.5307

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.5524, 0.4631, 0.4560



Tritanopia

30.7616, 0.2968, 0.3120

Trichromacy



Original Color

30.7462, 0.3873, 0.5307

Protanomaly

30.5106, 0.4204, 0.5044

Deuteranomaly

30.1812, 0.4359, 0.4844

Tritanomaly

29.9974, 0.3456, 0.4150

Monochromacy



Original Color

30.7462, 0.3873, 0.5307

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.9910, 0.3588, 0.4310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7462, 0.3873, 0.5307 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(132, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 162, 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(132, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 162, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.7462, 0.3873, 0.5307 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(132, 162, 0) }
```

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

```
.border{ border-color:rgb(132, 162, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 162, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 162,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7462, 0.3873, 0.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 162, 0) }
```

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

```
.background{ background-color: rgb(132,  
162, 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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