

Converting Colors

XYZ(30.2393, 42.3848, 16.4848)

Have a look what the booklet for
XYZ(30.2393, 42.3848, 16.4848)
contains.

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Color

**XYZ(30.2393, 42.3848,
16.4848)**

Conversions

Conversions Part 1

Format	Color
Hex	88BD5B
RGB	136, 189, 91
RGB Percent	53%, 74%, 36%
CMY	0.4667, 0.2588, 0.6431
CMYK	0.28, 0.00, 0.52, 0.26
HSL	92°, 43%, 55%
HSV	92°, 52%, 74%
XYZ	30.2393, 42.3848, 16.4848
YIQ	161.9810, -0.1300, -41.7140

Conversions

Conversions Part 2

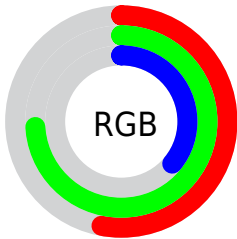
Format	Color
RYB	91, 189, 144
Decimal	8961371
CIELab	71.14, -34.25, 43.64
CIElCh	71, 55.473, 128.126
Yxy	42.3848, 0.3394, 0.4757
Android (android.graphics.Color)	4287151451 (0xFF88BD5B)
YUV	161.9810, -34.9936, -22.7853
Hunter-Lab	65.1036, -31.0217, 30.5598

Details

The XYZ color **30.2393, 42.3848, 16.4848** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.4298, 17.0868, 50.1570**, and the grayscale version is **34.4936, 36.2899, 39.5197**.

A 20% lighter version of the original color is **59.6519, 79.1012, 38.1107**, and **12.6143, 19.3201, 5.0718** is the 20% darker color. If you saturate the color by 10%, you get **27.9430, 41.2850, 12.6444**, and if you desaturate by 10%, it is **32.9014, 43.6521, 21.4158**.

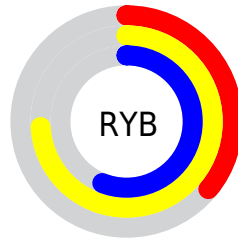
Distribution



Red (53%)

Green (74%)

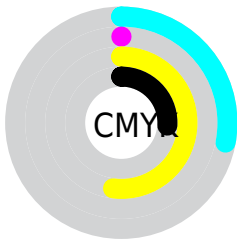
Blue (36%)



Red (36%)

Yellow (74%)

Blue (56%)

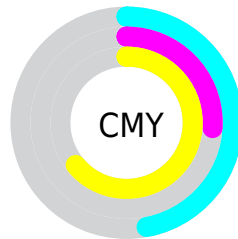


Cyan (28%)

Magenta (0%)

Yellow (52%)

Black (26%)



Cyan (47%)


Magenta (26%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2393, 42.3848, 16.4848 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 XYZ color 30.2393, 42.3848, 16.4848 by changing the saturation by 10% instead.


 30.2393, 42.3848,
16.4848


 30.2393, 42.3848,
16.4848


294.9081,
356.0756, 244.1283


 20.1693, 29.4027,
9.7098


 59.4244, 78.7817,
38.2163


 12.6271, 19.3857,
5.1039


 79.2703, 102.9653,
54.0098

 7.2475, 11.9493,
2.2485


 103.1054,
131.6515, 73.6466

 3.6651, 6.7092,
0.7022

 131.2952,
165.2247, 97.5452

 1.5145, 3.2809,
0.0000

164.2050,
204.0693, 126.1241

 0.3356, 1.2801,
0.0000

202.2002,

 0.0000, 0.1257,

248.5697, 159.8019

0.0000

245.6461,
299.1104, 198.9971

■ 0.0000, 0.0000,
0.0000

■ 30.2393, 42.3848,
16.4848

■ 30.2393, 42.3848,
16.4848

■ 27.9430, 41.2850,
12.6444

■ 32.9014, 43.6521,
21.4158

■ 25.9893, 40.3385,
9.8089

■ 35.9444, 45.0891,
27.5090

■ 24.3566, 39.5377,
7.8841

■ 39.3865, 46.7050,
34.8333

■ 23.0185, 38.8715,
6.7568

■ 43.2433, 48.5065,
43.4512

■ 22.1086, 38.4128,
6.2492

■ 47.5297, 50.5000,
53.4212

■ 52.2597, 52.6915,
64.7979

■ 57.4468, 55.0868,
77.6333

■ 63.1036, 57.6915,
91.9763

■ 68.2436, 60.1111,
102.6135

Harmonies

Analogous

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



37.8147, 42.3848, 11.7866



30.2393, 42.3848, 16.4848



25.8871, 42.3848, 29.6034

Triad

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



30.2393, 42.3848, 16.4848



33.9943, 42.3848, 111.7041



60.6662, 42.3848, 39.2945

Complementary

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



30.2393, 42.3848, 16.4848



24.4298, 17.0868, 50.1570

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.



59.2248, 42.3848, 67.9367



30.2393, 42.3848, 16.4848



42.8616, 42.3848, 117.5118

Square

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



30.2393, 42.3848, 16.4848



27.8118, 42.3848, 85.4538



52.3415, 42.3848, 99.1775



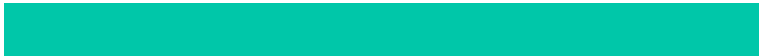
56.0222, 42.3848, 21.2361

Rectangle

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



30.2393, 42.3848, 16.4848



24.9488, 42.3848, 44.4980



52.3415, 42.3848, 99.1775



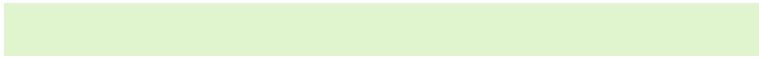
60.8894, 42.3848, 47.8421

Sweetspot

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



30.2403, 42.3866, 16.4857



74.3095, 85.4082, 70.7273



32.7388, 31.3009, 14.2143



15.6761, 18.2247, 14.5320



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.2403, 42.3866, 16.4857



49.6142, 73.7308, 21.9780



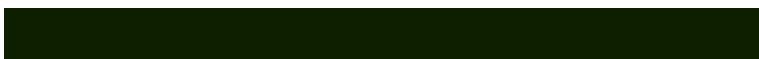
24.5456, 39.4343, 16.9710



9.8138, 10.8584, 10.1553



14.9608, 25.8884, 4.2085



0.6615, 1.0530, 0.1684

Inverse Universe

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



24.4298, 17.0868, 50.1570



38.0716, 23.5402, 88.7633



33.5637, 21.8360, 48.7540



9.4961, 9.4726, 12.0001



9.9728, 4.4272, 32.7218



0.4653, 0.2119, 1.2852

Previews

White Background



This preview shows how the XYZ color 30.2393, 42.3848, 16.4848 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 XYZ color 30.2393, 42.3848, 16.4848 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](#).

XYZ 30.2393, 42.3848, 16.4848

Background



This preview shows how black text looks on a background with the XYZ color 30.2393, 42.3848, 16.4848.



This preview shows how white text looks on a background with the XYZ color 30.2393, 42.3848,

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

30.2393, 42.3848, 16.4848

Protanopia

38.5540, 42.1505, 14.9079

Deuteranopia

42.7642, 41.7704, 17.1178



Tritanopia

38.1973, 42.2259, 56.0064

Trichromacy



Original Color

30.2393, 42.3848, 16.4848

Protanomaly

34.8948, 41.7154, 15.4453

Deuteranomaly

36.9688, 41.2887, 16.8475

Tritanomaly

34.4984, 41.9334, 37.2861

Monochromacy



Original Color

30.2393, 42.3848, 16.4848

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.3333, 38.0549, 28.9337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2393, 42.3848, 16.4848 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(136, 189, 91)` looks like.

```
.text, #text, p{  
    color:rgb(136, 189, 91)  
}
```

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(136, 189, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 189, 91) }
```

Border

The CSS property to change the border of an element to XYZ 30.2393, 42.3848, 16.4848 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(136, 189, 91) }
```


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

```
.border{ border-color:rgb(136, 189, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 189, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 189, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 189, 91);  
box-shadow:4px 4px 4px 4px rgb(136, 189,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2393, 42.3848, 16.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 189, 91) }
```

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

```
.background{ background-color: rgb(136,  
189, 91) }
```

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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