

Converting Colors

XYZ(30.4932, 34.7550, 12.4989)

Have a look what the booklet for
XYZ(30.4932, 34.7550, 12.4989)
contains.

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Color

**XYZ(30.4801, 34.7300,
12.4942)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A24F
RGB	168, 162, 79
RGB Percent	66%, 64%, 31%
CMY	0.3412, 0.3647, 0.6902
CMYK	0.00, 0.04, 0.53, 0.34
HSL	56°, 36%, 48%
HSV	56°, 53%, 66%
XYZ	30.4801, 34.7300, 12.4942
YIQ	154.3320, 30.2190, -24.5410

Conversions

Conversions Part 2

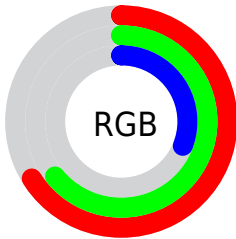
Format	Color
RYB	85, 168, 79
Decimal	11051599
CIELab	65.54, -9.22, 43.39
CIELCh	66, 44.363, 101.992
Yxy	34.7300, 0.3923, 0.4470
Android (android.graphics.Color)	4289241679 (0xFFA8A24F)
YUV	154.3320, -37.1387, 11.9868
Hunter-Lab	58.9322, -10.8099, 28.6825

Details

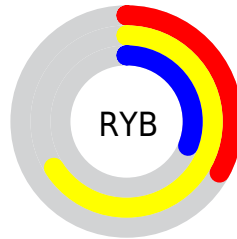
The XYZ color **30.4801, 34.7300, 12.4942** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.5408, 10.9862, 38.4526**, and the grayscale version is **31.0108, 32.6258, 35.5295**.

A 20% lighter version of the original color is **59.8935, 67.2450, 30.9419**, and **12.8456, 15.0350, 3.3874** is the 20% darker color. If you saturate the color by 10%, you get **29.7461, 34.1201, 9.6046**, and if you desaturate by 10%, it is **31.3721, 35.4085, 16.1997**.

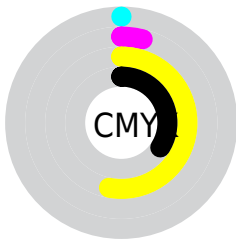
Distribution



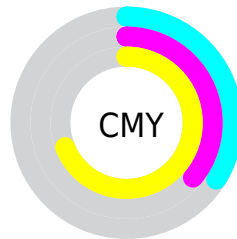
- Red (66%)
- Green (64%)
- Blue (31%)



- Red (33%)
- Yellow (66%)
- Blue (31%)



- Cyan (0%)
- Magenta (4%)
- Yellow (53%)
- Black (34%)





- Cyan (34%)
- Magenta (36%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4801, 34.7300, 12.4942 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 30.4801, 34.7300, 12.4942 by changing the saturation by 10% instead.


 30.4801, 34.7300,
12.4942


 30.4801, 34.7300,
12.4942


296.0058,
323.3750, 218.7429


 20.3532, 23.4550,
6.9546


 59.8020, 67.0673,
31.0698


 12.7618, 14.9298,
3.3557


 79.7277, 88.8983,
44.9429


 7.3406, 8.7701,
1.2790

 103.6504,
115.0168, 62.4308

 3.7242, 4.5916,
0.0445

 131.9354,
145.8072, 83.9522

 1.5473, 2.0097,
0.0000

 164.9481,
181.6538, 109.9256

 0.3577, 0.6131,
0.0000

203.0538,

 0.0000, 0.0000,

222.9410, 140.7694

0.0000

246.6179,
270.0533, 176.9024

■ 30.4801, 34.7300,
12.4942

■ 30.4801, 34.7300,
12.4942

■ 29.7461, 34.1201,
9.6046

■ 31.3721, 35.4085,
16.1997

■ 29.1558, 33.5693,
7.4663

■ 32.4302, 36.1551,
20.7750

■ 28.6964, 33.0736,
6.0082

■ 33.6651, 36.9752,
26.2719

■ 28.3515, 32.6267,
5.1448

■ 35.0856, 37.8725,
32.7376

■ 28.1517, 32.3314,
4.7568

■ 36.7001, 38.8504,
40.2159

■ 38.5164, 39.9118,
48.7482

■ 40.5420, 41.0599,
58.3732

■ 42.7838, 42.2974,
69.1281

■ 45.2486, 43.6269,
81.0479

Harmonies

Analogous

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



37.0269, 34.7300, 12.9647



30.4801, 34.7300, 12.4942



25.3333, 34.7300, 16.9604

Triad

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



30.4801, 34.7300, 12.4942



24.5637, 34.7300, 67.1781



46.3817, 34.7300, 49.9970

Complementary

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



30.4801, 34.7300, 12.4942



13.5408, 10.9862, 38.4526

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.



42.0988, 34.7300, 71.1506



30.4801, 34.7300, 12.4942



29.2943, 34.7300, 83.0999

Square

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



30.4801, 34.7300, 12.4942



22.2302, 34.7300, 45.7518



35.6758, 34.7300, 84.7543



46.8089, 34.7300, 30.8538

Rectangle

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



30.4801, 34.7300, 12.4942



23.1579, 34.7300, 23.3722



35.6758, 34.7300, 84.7543



45.3215, 34.7300, 57.2403

Sweetspot

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



30.4809, 34.7316, 12.4949



62.7742, 68.1691, 55.3134



20.6412, 14.5958, 10.6222



13.5710, 14.7880, 11.5499



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.4809, 34.7316, 12.4949



53.7215, 61.6870, 16.4626



24.7613, 33.3885, 12.5371



8.1030, 8.6860, 8.0388



21.2740, 24.4453, 3.5972



0.5300, 0.6196, 0.0917

Inverse Universe

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



13.5408, 10.9862, 38.4526



19.5688, 13.8361, 68.8643



17.0777, 12.1382, 38.4886



7.1709, 7.3787, 9.4646



5.4455, 2.3512, 28.1423



0.1448, 0.0818, 0.6888

Previews

White Background



This preview shows how the XYZ color 30.4801, 34.7300, 12.4942 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 30.4801, 34.7300, 12.4942 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 30.4801, 34.7300, 12.4942

Background



This preview shows how black text looks on a background with the XYZ color 30.4801, 34.7300, 12.4942.



This preview shows how white text looks on a background with the XYZ color 30.4801, 34.7300,

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

30.4801, 34.7300, 12.4942

Protanopia

31.6778, 34.5764, 12.2120

Deuteranopia

35.2569, 34.6678, 12.8160



Tritanopia

36.3142, 34.8462, 40.4093

Trichromacy



Original Color

30.4801, 34.7300, 12.4942

Protanomaly

31.1795, 34.5759, 12.2382

Deuteranomaly

33.3813, 34.6853, 12.7201

Tritanomaly

33.6471, 34.4968, 27.4394

Monochromacy



Original Color

30.4801, 34.7300, 12.4942

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.1858, 33.0172, 24.8607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4801, 34.7300, 12.4942 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(168, 162, 79)` looks like.

```
.text, #text, p{  
    color:rgb(168, 162, 79)  
}
```

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(168, 162, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 162, 79) }
```

Border

The CSS property to change the border of an element to XYZ 30.4801, 34.7300, 12.4942 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(168, 162, 79) }
```


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

```
.border{ border-color:rgb(168, 162, 79) }
```

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

Here you see how a box with a 4 pixel rgb(168, 162, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 162, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 162, 79);  
box-shadow:4px 4px 4px 4px rgb(168, 162,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4801, 34.7300, 12.4942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 162, 79) }
```

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

```
.background{ background-color: rgb(168,  
162, 79) }
```

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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