

Converting Colors

XYZ(42.1656, 49.4493, 34.8633)

Have a look what the booklet for
XYZ(42.1656, 49.4493, 34.8633)
contains.

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Color

**XYZ(42.2409, 49.4766,
34.9274)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C193
RGB	176, 193, 147
RGB Percent	69%, 76%, 58%
CMY	0.3098, 0.2431, 0.4235
CMYK	0.09, 0.00, 0.24, 0.24
HSL	82°, 27%, 67%
HSV	82°, 24%, 76%
XYZ	42.2409, 49.4766, 34.9274
YIQ	182.6730, 4.6340, -17.9100

Conversions

Conversions Part 2

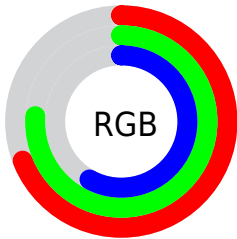
Format	Color
RYB	147, 193, 164
Decimal	11583891
CIELab	75.75, -13.90, 21.28
CIELCh	76, 25.411, 123.151
Yxy	49.4766, 0.3335, 0.3907
Android (android.graphics.Color)	4289773971 (0xFFB0C193)
YUV	182.6730, -17.5868, -5.8522
Hunter-Lab	70.3396, -15.9001, 19.7970

Details

The XYZ color **42.2409, 49.4766, 34.9274** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.3712, 32.6116, 54.8852**, and the grayscale version is **44.9232, 47.2627, 51.4691**.

A 20% lighter version of the original color is **77.6970, 89.1242, 68.3660**, and **19.5123, 23.5207, 14.5779** is the 20% darker color. If you saturate the color by 10%, you get **39.2812, 48.1129, 27.5355**, and if you desaturate by 10%, it is **45.5421, 50.9900, 43.6637**.

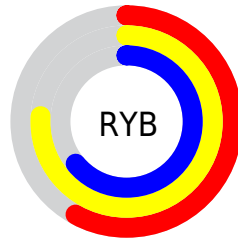
Distribution



Red (69%)

Green (76%)

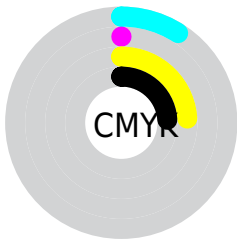
Blue (58%)



Red (58%)

Yellow (76%)

Blue (64%)

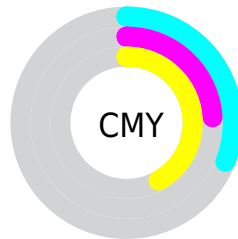


Cyan (9%)

Magenta (0%)

Yellow (24%)

Black (24%)



Cyan (31%)


Magenta (24%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2409, 49.4766, 34.9274 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 42.2409, 49.4766, 34.9274 by changing the saturation by 10% instead.

 42.2409, 49.4766,
34.9274


 42.2409, 49.4766,
34.9274


346.4552,
384.6156, 339.1423

 29.4819, 34.9977,
23.3239

 77.8270, 89.3989,
68.5236

 19.5918, 23.6611,
14.6253


 101.3847,
115.6111, 91.3533

 12.2052, 15.0824,
8.4131


129.2728,
146.5032, 118.7621

 6.9568, 8.8772,
4.2689

161.8566,
182.4595, 151.1687

 3.4812, 4.6612,
1.7740

199.5013,
223.8645, 188.9914

 1.4130, 2.0499,
0.4107

242.5725,

 0.2655, 0.6362,

271.1026, 232.6489

0.0000

291.4353,
324.5582, 282.5597

■ 0.0000, 0.0000,
0.0000

■ 42.2409, 49.4766,
34.9274

■ 42.2409, 49.4766,
34.9274

■ 39.2812, 48.1129,
27.5355

■ 45.5421, 50.9900,
43.6637

■ 36.6451, 46.8866,
21.4181

■ 49.1941, 52.6520,
53.8033

■ 34.3190, 45.7938,
16.5036

■ 53.2103, 54.4698,
65.4056

■ 32.2862, 44.8277,
12.7122

■ 57.6024, 56.4482,
78.5255

■ 30.5285, 43.9808,
9.9545

■ 62.3815, 58.5917,
93.2152

■ 29.0248, 43.2445,
8.1274

■ 66.2757, 60.3918,
102.7714

■ 27.7500, 42.6086,
7.1063

■ 68.4659, 61.5209,
102.8739

■ 27.0495, 42.2550,
6.7304

■ 70.7491, 62.6979,
102.9808

■ 73.1265, 63.9235,
103.0920

Harmonies

Analogous

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



46.5296, 49.4766, 31.8843



42.2409, 49.4766, 34.9274



39.3928, 49.4766, 42.9759

Triad

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



42.2409, 49.4766, 34.9274



43.0494, 49.4766, 80.5137



56.6708, 49.4766, 52.4573

Complementary

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



42.2409, 49.4766, 34.9274



35.3712, 32.6116, 54.8852

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.



55.5866, 49.4766, 66.4688



42.2409, 49.4766, 34.9274



47.5260, 49.4766, 84.1751

Square

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



42.2409, 49.4766, 34.9274



39.8372, 49.4766, 69.3526



52.1595, 49.4766, 78.6628



55.0315, 49.4766, 40.8850

Rectangle

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



42.2409, 49.4766, 34.9274



38.5874, 49.4766, 50.8342



52.1595, 49.4766, 78.6628



56.6131, 49.4766, 57.0276

Sweetspot

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



42.2422, 49.4788, 34.9285



85.8900, 93.2904, 90.1274



40.5122, 39.9489, 33.1802



18.3401, 19.9747, 19.0947



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



42.2422, 49.4788, 34.9285



72.5993, 87.2064, 54.8256



37.5000, 47.0341, 34.7065



10.5408, 11.5663, 10.7388



18.0807, 28.1498, 4.4805



0.8551, 1.2544, 0.1970

Inverse Universe

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



35.3712, 32.6116, 54.8852



58.0079, 51.3779, 97.2199



40.5221, 35.2670, 55.1262



9.8721, 9.9252, 12.6803



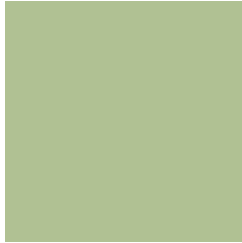
8.2285, 3.5024, 33.7990



0.4318, 0.1906, 1.4639

Previews

White Background



This preview shows how the XYZ color 42.2409, 49.4766, 34.9274 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 42.2409, 49.4766, 34.9274 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

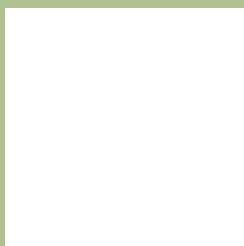
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2409, 49.4766, 34.9274

Background



This preview shows how black text looks on a background with the XYZ color 42.2409, 49.4766, 34.9274.



This preview shows how white text looks on a background with the XYZ color 42.2409, 49.4766,

34.9274.

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

42.2409, 49.4766, 34.9274

Protanopia

46.1461, 49.2735, 33.4641

Deuteranopia

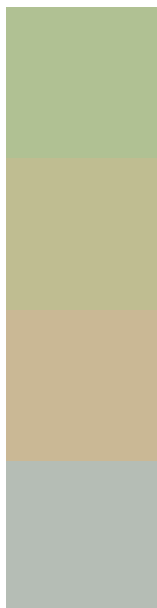
50.2404, 49.1939, 35.7016



Tritanopia

47.8687, 49.5252, 62.2947

Trichromacy



Original Color

42.2409, 49.4766, 34.9274

Protanomaly

44.7943, 49.5159, 33.9847

Deuteranomaly

46.9224, 49.0075, 35.4201

Tritanomaly

45.5941, 49.5551, 50.8781

Monochromacy



Original Color

42.2409, 49.4766, 34.9274

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.8484, 48.1462, 45.0123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2409, 49.4766, 34.9274 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(176, 193, 147)` looks like.

```
.text, #text, p{  
    color:rgb(176, 193, 147)  
}
```

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(176, 193, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 193, 147) }
```

Border

The CSS property to change the border of an element to XYZ 42.2409, 49.4766, 34.9274 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(176, 193, 147) }
```


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

```
.border{ border-color:rgb(176, 193, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 193, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 193, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 193, 147);  
box-shadow:4px 4px 4px 4px rgb(176, 193,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2409, 49.4766, 34.9274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 193, 147) }
```

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

```
.background{ background-color: rgb(176,  
193, 147) }
```

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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