

Converting Colors

XYZ(49.4902, 57.5346, 42.2219)

Have a look what the booklet for
XYZ(49.4902, 57.5346, 42.2219)
contains.

XYZ(49.4906, 57.5346, 42.2151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4906, 57.5346,
42.2151)**

Conversions

Conversions Part 1

Format	Color
Hex	BDCEA1
RGB	189, 206, 161
RGB Percent	74%, 81%, 63%
CMY	0.2588, 0.1921, 0.3686
CMYK	0.08, 0.00, 0.22, 0.19
HSL	83°, 31%, 72%
HSV	83°, 22%, 81%
XYZ	49.4906, 57.5346, 42.2151
YIQ	195.7870, 4.3130, -17.5990

Conversions

Conversions Part 2

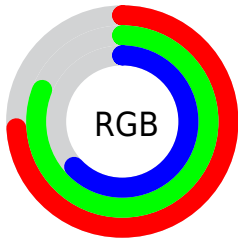
Format	Color
RYB	161, 206, 178
Decimal	12439201
CIELab	80.48, -13.61, 20.51
CIElCh	80, 24.611, 123.566
Yxy	57.5346, 0.3316, 0.3855
Android (android.graphics.Color)	4290629281 (0xFFBDCEA1)
YUV	195.7870, -17.1500, -5.9522
Hunter-Lab	75.8516, -16.2750, 20.0983

Details

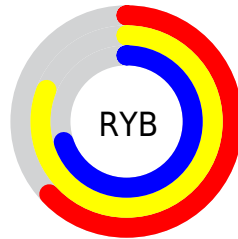
The XYZ color **49.4906, 57.5346, 42.2151** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.2478, 39.4125, 63.7763**, and the grayscale version is **52.4407, 55.1717, 60.0819**.

A 20% lighter version of the original color is **86.1607, 96.0707, 78.9681**, and **23.9802, 28.7115, 18.7460** is the 20% darker color. If you saturate the color by 10%, you get **45.9427, 55.9003, 33.3348**, and if you desaturate by 10%, it is **53.4445, 59.3472, 52.6791**.

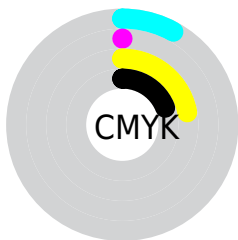
Distribution



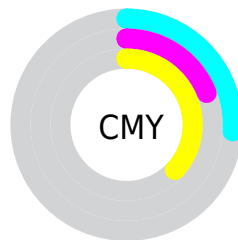
- Red (74%)
- Green (81%)
- Blue (63%)



- Red (63%)
- Yellow (81%)
- Blue (70%)



- Cyan (8%)
- Magenta (0%)
- Yellow (22%)
- Black (19%)



- Cyan (26%)
- Magenta (19%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4906, 57.5346, 42.2151 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 49.4906, 57.5346, 42.2151 by changing the saturation by 10% instead.

■ 49.4906, 57.5346,
42.2151

■ 49.4906, 57.5346,
42.2151

375.1555,
415.4495, 371.1998

■ 35.2250, 41.4346,
28.9429

■ 88.6160, 101.2448,
79.7987

■ 24.0035, 28.6588,
18.7924

■ 114.2065,
129.6238, 104.9471

■ 15.4610, 18.8229,
11.3451

144.3026,
162.8647, 134.8915

■ 9.2320, 11.5424,
6.1824

179.2698,
201.3517, 170.0502

■ 4.9511, 6.4329,
2.8857

219.4733,
245.4693, 210.8418

■ 2.2531, 3.1100,
1.0366

265.2785,

■ 0.7705, 1.1895,

295.6018, 257.6850

0.0000

317.0508,
352.1338, 310.9981

■ 0.0000, 0.0531,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.4906, 57.5346,
42.2151

■ 49.4906, 57.5346,
42.2151

■ 45.9427, 55.9003,
33.3348

■ 53.4445, 59.3472,
52.6791

■ 42.7801, 54.4299,
25.9573

■ 57.8151, 61.3366,
64.7951

■ 39.9867, 53.1188,
20.0001

■ 62.6182, 63.5115,
78.6317

■ 37.5434, 51.9591,
15.3714

■ 67.8675, 65.8772,
94.2527

■ 35.4290, 50.9422,
11.9684

■ 72.0918, 67.8457,
103.9036

■ 33.6193, 50.0582,
9.6736

■ 74.6161, 69.1470,
104.0218

■ 32.0858, 49.2955,
8.3460

■ 77.2529, 70.5064,
104.1452

■ 30.9998, 48.7471,
7.7753

■ 80.0037, 71.9245,
104.2739

■ 81.3625, 72.6249,
104.3375

Harmonies

Analogous

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



54.0833, 57.5346, 38.7897



49.4906, 57.5346, 42.2151



46.4436, 57.5346, 51.0644

Triad

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



49.4906, 57.5346, 42.2151



50.4756, 57.5346, 90.9884



64.9588, 57.5346, 60.9319

Complementary

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



49.4906, 57.5346, 42.2151



42.2478, 39.4125, 63.7763

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.



63.8477, 57.5346, 75.8570



49.4906, 57.5346, 42.2151



55.2910, 57.5346, 94.6972

Square

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



49.4906, 57.5346, 42.2151



46.9873, 57.5346, 79.3110



60.2305, 57.5346, 88.7884



63.1805, 57.5346, 48.4950

Rectangle

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



49.4906, 57.5346, 42.2151



45.5933, 57.5346, 59.5808



60.2305, 57.5346, 88.7884



64.9113, 57.5346, 65.8134

Sweetspot

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



49.4921, 57.5371, 42.2163



89.8701, 97.6464, 94.3467



47.7098, 47.3391, 40.3419



19.1438, 20.8584, 19.9393



0.0000, 0.0000, 0.0000



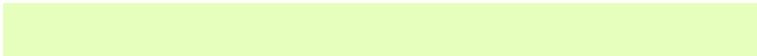
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4921, 57.5371, 42.2163



77.5295, 91.9957, 61.6443



44.4425, 54.9339, 41.9800



11.7272, 12.8768, 11.9468



19.1984, 30.0725, 4.7927



1.0730, 1.5940, 0.2511

Inverse Universe

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



42.2478, 39.4125, 63.7763



63.8420, 57.7450, 102.3888



47.7070, 42.2268, 64.0317



10.9957, 11.0471, 14.1231



8.8862, 3.7885, 36.2192



0.5421, 0.2386, 1.8724

Previews

White Background



This preview shows how the XYZ color 49.4906, 57.5346, 42.2151 looks on a white background.

Color Contrast Check

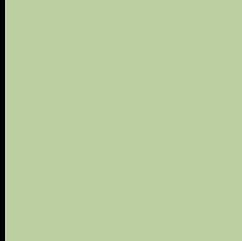
Large Text (above 18pt) WCAG AA × Fail

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 49.4906, 57.5346, 42.2151 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

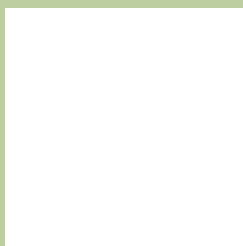
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4906, 57.5346, 42.2151

Background



This preview shows how black text looks on a background with the XYZ color 49.4906, 57.5346, 42.2151.



This preview shows how white text looks on a background with the XYZ color 49.4906, 57.5346,

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

49.4906, 57.5346, 42.2151

Protanopia

53.7464, 57.3125, 40.5774

Deuteranopia

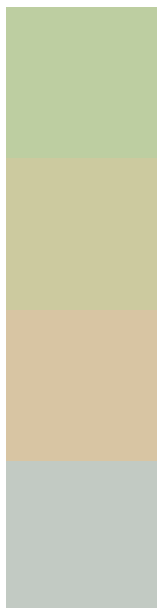
58.5055, 57.3685, 43.1116



Tritanopia

55.7151, 57.6235, 72.4759

Trichromacy



Original Color

49.4906, 57.5346, 42.2151

Protanomaly

52.2804, 57.5816, 41.1598

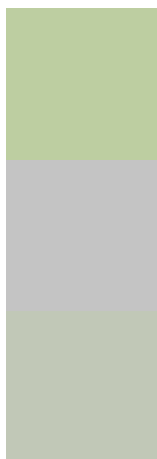
Deuteranomaly

54.8960, 57.1758, 42.7930

Tritanomaly

53.2190, 57.6505, 59.9525

Monochromacy



Original Color

49.4906, 57.5346, 42.2151

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.1938, 56.0649, 52.9232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4906, 57.5346, 42.2151 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(189, 206, 161)` looks like.

```
.text, #text, p{  
    color:rgb(189, 206, 161)  
}
```

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(189, 206, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 206, 161) }
```

Border

The CSS property to change the border of an element to XYZ 49.4906, 57.5346, 42.2151 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(189, 206, 161) }
```


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

```
.border{ border-color:rgb(189, 206, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 206, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 206, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 206, 161);  
box-shadow:4px 4px 4px 4px rgb(189, 206,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4906, 57.5346, 42.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 206, 161) }
```

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

```
.background{ background-color: rgb(189,  
206, 161) }
```

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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