

Converting Colors

XYZ(42.4452, 46.8041, 49.1802)

Have a look what the booklet for
XYZ(42.4452, 46.8041, 49.1802)
contains.

XYZ(42.4989, 46.7233, 49.4264)	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(42.4989, 46.7233,
49.4264)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB9B3
RGB	172, 185, 179
RGB Percent	67%, 73%, 70%
CMY	0.3255, 0.2745, 0.2980
CMYK	0.07, 0.00, 0.03, 0.27
HSL	152°, 8%, 70%
HSV	152°, 7%, 73%
XYZ	42.4989, 46.7233, 49.4264
YIQ	180.4290, -5.8220, -4.6220

Conversions

Conversions Part 2

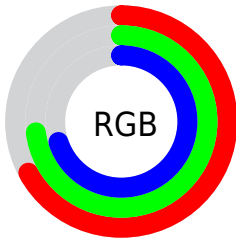
Format	Color
RYB	172, 180, 185
Decimal	11319731
CIELab	74.01, -5.64, 1.49
CIELCh	74, 5.837, 165.252
Yxy	46.7233, 0.3065, 0.3370
Android (android.graphics.Color)	4289509811 (0xFFACB9B3)
YUV	180.4290, -0.7045, -7.3922
Hunter-Lab	68.3544, -8.6391, 4.9761

Details

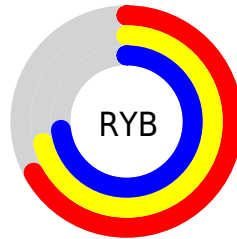
The XYZ color **42.4989, 46.7233, 49.4264** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.7977, 43.0348, 48.1726**, and the grayscale version is **43.6200, 45.8917, 49.9760**.

A 20% lighter version of the original color is **78.1292, 85.2396, 90.9323**, and **19.7629, 22.0020, 22.9438** is the 20% darker color. If you saturate the color by 10%, you get **37.8808, 44.4406, 44.8404**, and if you desaturate by 10%, it is **47.7384, 49.3228, 54.3228**.

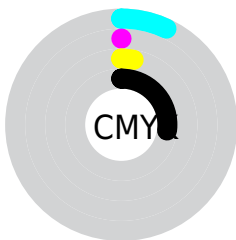
Distribution



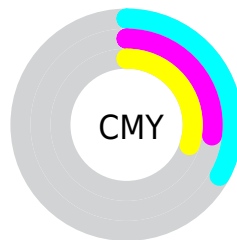
- Red (67%)
- Green (73%)
- Blue (70%)



- Red (67%)
- Yellow (71%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)



- Cyan (33%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4989, 46.7233, 49.4264 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 42.4989, 46.7233, 49.4264 by changing the saturation by 10% instead.

■ 42.4989, 46.7233,
49.4264

■ 42.4989, 46.7233,
49.4264

347.5035,
373.7090, 401.0892

■ 29.6850, 32.8170,
34.5899

■ 78.2146, 85.3004,
90.7120

■ 19.7465, 21.9863,
23.0661

101.8470,
110.7401, 117.9981

■ 12.3181, 13.8468,
14.4366

129.8163,
140.7929, 150.2711

■ 7.0344, 8.0142,
8.2827

162.4879,
175.8433, 187.9496

■ 3.5302, 4.1040,
4.1860

200.2270,
216.2757, 231.4521

■ 1.4399, 1.7319,
1.7279

243.3991,

■ 0.2844, 0.4442,

262.4746, 281.1972

0.3798

292.3694,
314.8242, 337.6034

■ 0.0000, 0.0000,
0.0000

■ 42.4989, 46.7233,
49.4264

■ 42.4989, 46.7233,
49.4264

■ 37.8808, 44.4406,
44.8404

■ 47.7384, 49.3228,
54.3228

■ 33.8560, 42.4565,
40.5555

■ 53.6182, 52.2447,
59.5324

■ 30.4001, 40.7596,
36.5664

■ 60.1613, 55.5021,
65.0621

■ 27.4852, 39.3357,
32.8665

■ 67.3881, 59.1056,
70.9173

■ 25.0811, 38.1695,
29.4489

■ 71.7353, 61.2179,
76.9360

■ 23.1545, 37.2439,
26.3064

■ 72.9075, 61.6868,
83.1087

■ 21.6679, 36.5397,
23.4315

■ 74.1385, 62.1792,
89.5911

■ 20.5779, 36.0345,
20.8159

■ 75.4291, 62.6955,
96.3875

■ 19.8236, 35.6972,
18.4506

■ 76.6399, 63.1798,
102.7633

Harmonies

Analogous

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



43.0008, 46.7233, 46.9388



42.4989, 46.7233, 49.4264



42.5033, 46.7233, 52.3987

Triad

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



42.4989, 46.7233, 49.4264



44.9384, 46.7233, 56.6151



45.8351, 46.7233, 46.9050

Complementary

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



42.4989, 46.7233, 49.4264



42.7977, 43.0348, 48.1726

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.



46.3710, 46.7233, 49.3786



42.4989, 46.7233, 49.4264



45.8478, 46.7233, 55.0227

Square

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



42.4989, 46.7233, 49.4264



43.9008, 46.7233, 56.6291



46.3757, 46.7233, 52.3490



44.9213, 46.7233, 45.5222

Rectangle

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



42.4989, 46.7233, 49.4264



42.7924, 46.7233, 54.2592



46.3757, 46.7233, 52.3490



46.0660, 46.7233, 47.6321

Sweetspot

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



42.5002, 46.7253, 49.4274



80.6591, 85.9328, 92.8297



43.1724, 47.1516, 45.8560



17.4100, 18.5360, 20.0323



88.6918, 93.3107, 101.6153



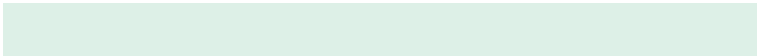
17.8044, 18.7317, 20.3988

Same Dimension

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



42.5002, 46.7253, 49.4274



75.1481, 83.2021, 87.5871



43.0303, 46.7924, 52.6653



9.0870, 10.1388, 10.6157



13.4031, 24.2622, 12.3107



0.5034, 0.8677, 0.5966

Inverse Universe

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



42.7977, 43.0348, 48.1726



75.7599, 75.6129, 85.0066



42.2905, 42.9642, 45.0943



9.1724, 9.0793, 10.2555



14.7869, 7.4885, 6.7647



0.5526, 0.2765, 0.4033

Previews

White Background



This preview shows how the XYZ color 42.4989, 46.7233, 49.4264 looks on a white background.

Color Contrast Check

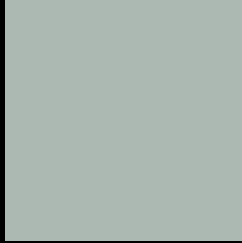
Large Text (above 18pt) WCAG AA × Fail

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 42.4989, 46.7233, 49.4264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

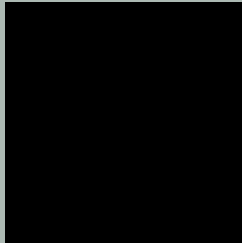
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

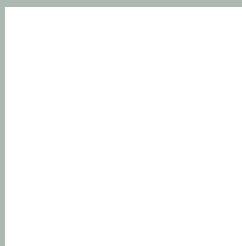
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4989, 46.7233, 49.4264

Background



This preview shows how black text looks on a background with the XYZ color 42.4989, 46.7233, 49.4264.



This preview shows how white text looks on a background with the XYZ color 42.4989, 46.7233,

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

42.4989, 46.7233, 49.4264

Protanopia

44.7094, 46.6612, 48.2450

Deuteranopia

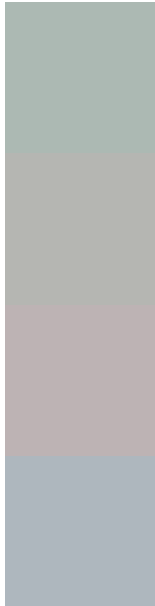
47.4190, 46.5290, 50.1978



Tritanopia

44.4852, 46.6011, 59.4736

Trichromacy



Original Color

42.4989, 46.7233, 49.4264

Protanomaly

43.8199, 46.4940, 48.7842

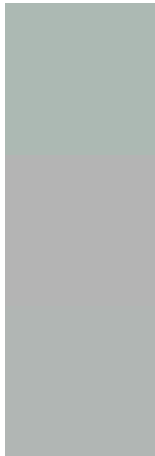
Deuteranomaly

45.3446, 46.3543, 49.7374

Tritanomaly

43.6833, 46.5833, 55.4043

Monochromacy



Original Color

42.4989, 46.7233, 49.4264

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.0976, 46.0983, 49.8064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4989, 46.7233, 49.4264 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(172, 185, 179)` looks like.

```
.text, #text, p{  
    color:rgb(172, 185, 179)  
}
```

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(172, 185, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 185, 179) }
```

Border

The CSS property to change the border of an element to XYZ 42.4989, 46.7233, 49.4264 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(172, 185, 179) }
```


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

```
.border{ border-color:rgb(172, 185, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 185, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 185, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 185, 179);  
box-shadow:4px 4px 4px 4px rgb(172, 185,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4989, 46.7233, 49.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 185, 179) }
```

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

```
.background{ background-color: rgb(172,  
185, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor