

Converting Colors

XYZ(49.0447, 52.8284, 52.4429)

Have a look what the booklet for
XYZ(49.0447, 52.8284, 52.4429)
contains.

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Color

**XYZ(49.0742, 52.9496,
52.4336)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC2B7
RGB	190, 194, 183
RGB Percent	75%, 76%, 72%
CMY	0.2549, 0.2392, 0.2823
CMYK	0.02, 0.00, 0.06, 0.24
HSL	82°, 8%, 74%
HSV	82°, 6%, 76%
XYZ	49.0742, 52.9496, 52.4336
YIQ	191.5500, 1.1470, -4.2690

Conversions

Conversions Part 2

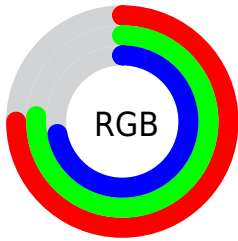
Format	Color
RYB	183, 194, 187
Decimal	12501687
CIELab	77.85, -3.38, 5.04
CIELCh	78, 6.069, 123.895
Yxy	52.9496, 0.3177, 0.3428
Android (android.graphics.Color)	4290691767 (0xFFBEC2B7)
YUV	191.5500, -4.2151, -1.3593
Hunter-Lab	72.7665, -6.9597, 8.2137

Details

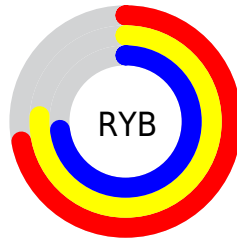
The XYZ color **49.0742, 52.9496, 52.4336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.1667, 48.3283, 57.8840**, and the grayscale version is **49.8652, 52.4621, 57.1312**.

A 20% lighter version of the original color is **87.7716, 94.1960, 95.2169**, and **23.7239, 25.6862, 24.8267** is the 20% darker color. If you saturate the color by 10%, you get **45.4722, 51.3117, 42.4409**, and if you desaturate by 10%, it is **53.0429, 54.7474, 63.8986**.

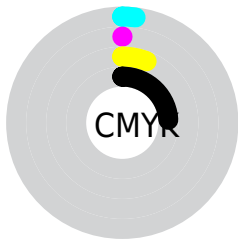
Distribution



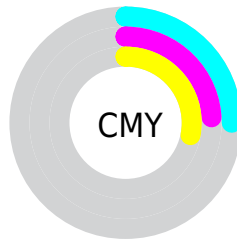
- Red (75%)
- Green (76%)
- Blue (72%)



- Red (72%)
- Yellow (76%)
- Blue (73%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)



- Cyan (25%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0742, 52.9496, 52.4336 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 49.0742, 52.9496, 52.4336 by changing the saturation by 10% instead.

■ 49.0742, 52.9496,
52.4336

■ 49.0742, 52.9496,
52.4336

373.5465,
398.0917, 413.1128

■ 34.8931, 37.7625,
36.9662

■ 88.0017, 94.5302,
95.2035

■ 23.7467, 25.7984,
24.8857

113.4788,
121.6925, 123.3430

■ 15.2695, 16.6729,
15.7737

143.4520,
153.6154, 156.5437

■ 9.0963, 10.0016,
9.2115

178.2867,
190.6832, 195.2240

■ 4.8617, 5.4000,
4.7807

218.3481,
233.2804, 239.8025

■ 2.2002, 2.4838,
2.0627

264.0016,

■ 0.7429, 0.8685,

281.7912, 290.6978

0.5934

315.6126,
336.6002, 348.3284

■ 0.0000, 0.0000,
0.0000

■ 49.0742, 52.9496,
52.4336

■ 49.0742, 52.9496,
52.4336

■ 45.4722, 51.3117,
42.4409

■ 53.0429, 54.7474,
63.8986

■ 42.2201, 49.8218,
33.8573

■ 57.3858, 56.7033,
76.8888

■ 39.3060, 48.4767,
26.6204

■ 62.1156, 58.8240,
91.4584

■ 36.7156, 47.2705,
20.6616

■ 66.3275, 60.7478,
102.8374

■ 34.4334, 46.1969,
15.9060

■ 68.4870, 61.8610,
102.9385

■ 32.4426, 45.2490,
12.2713

■ 70.7375, 63.0212,
103.0438

■ 30.7241, 44.4190,
9.6647

■ 73.0800, 64.2289,
103.1534

■ 29.2562, 43.6980,
7.9786

■ 75.5158, 65.4845,
103.2674

■ 28.0121, 43.0753,
7.0791

■ 78.0457, 66.7888,
103.3858

Harmonies

Analogous

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



50.1733, 52.9496, 51.4193



49.0742, 52.9496, 52.4336



48.3200, 52.9496, 54.8451

Triad

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



49.0742, 52.9496, 52.4336



49.3367, 52.9496, 63.6777



52.6212, 52.9496, 57.2136

Complementary

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



49.0742, 52.9496, 52.4336



47.1667, 48.3283, 57.8840

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.



52.3889, 52.9496, 60.5554



49.0742, 52.9496, 52.4336



50.4810, 52.9496, 64.3714

Square

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



49.0742, 52.9496, 52.4336



48.4699, 52.9496, 61.3475



51.6010, 52.9496, 63.2080



52.2310, 52.9496, 54.1101

Rectangle

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



49.0742, 52.9496, 52.4336



48.1079, 52.9496, 56.9658



51.6010, 52.9496, 63.2080



52.6134, 52.9496, 58.3459

Sweetspot

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



49.0757, 52.9519, 52.4348



91.4467, 97.0814, 102.2393



48.5358, 50.3671, 51.9643



20.0414, 21.2669, 22.4339



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.



49.0757, 52.9519, 52.4348



87.9283, 95.4856, 92.2258



47.7640, 52.2757, 52.3734



10.6991, 11.6386, 11.1664



18.1853, 28.2037, 4.4854



0.8591, 1.2564, 0.1972

Inverse Universe

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



47.1667, 48.3283, 57.8840



83.6340, 85.0843, 104.4847



48.5000, 49.0156, 57.9464



10.1482, 10.3043, 12.7389



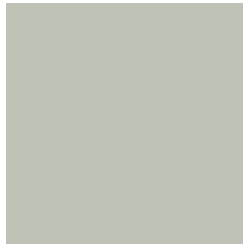
8.1737, 3.4741, 33.7964



0.4291, 0.1893, 1.4638

Previews

White Background



This preview shows how the XYZ color 49.0742, 52.9496, 52.4336 looks on a white background.

Color Contrast Check

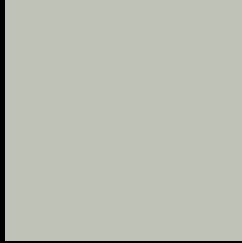
Large Text (above 18pt) WCAG AA × Fail

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 49.0742, 52.9496, 52.4336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

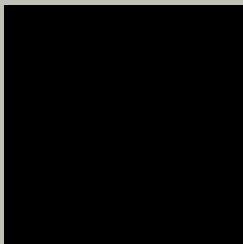
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

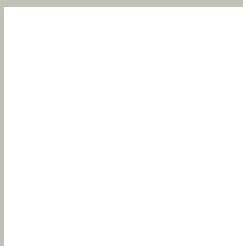
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0742, 52.9496, 52.4336

Background



This preview shows how black text looks on a background with the XYZ color 49.0742, 52.9496, 52.4336.

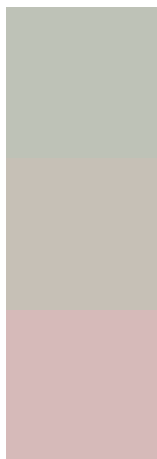


This preview shows how white text looks on a background with the XYZ color 49.0742, 52.9496,

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

49.0742, 52.9496, 52.4336

Protanopia

50.5818, 53.0824, 51.8360

Deuteranopia

54.0474, 52.9167, 53.2643



Tritanopia

51.7637, 53.0553, 65.9050

Trichromacy



Original Color

49.0742, 52.9496, 52.4336

Protanomaly

50.0191, 53.1194, 51.8728

Deuteranomaly

52.0262, 52.8350, 52.8035

Tritanomaly

50.7809, 52.9830, 60.9764

Monochromacy



Original Color

49.0742, 52.9496, 52.4336

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.7411, 52.8904, 55.7313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0742, 52.9496, 52.4336 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(190, 194, 183)` looks like.

```
.text, #text, p{  
    color:rgb(190, 194, 183)  
}
```

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(190, 194, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 194, 183) }
```

Border

The CSS property to change the border of an element to XYZ 49.0742, 52.9496, 52.4336 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(190, 194, 183) }
```


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

```
.border{ border-color:rgb(190, 194, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 194, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 194, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 194, 183);  
box-shadow:4px 4px 4px 4px rgb(190, 194,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0742, 52.9496, 52.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 194, 183) }
```

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

```
.background{ background-color: rgb(190,  
194, 183) }
```

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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