

Converting Colors

XYZ(49.7471, 52.0683, 52.5227)

Have a look what the booklet for
XYZ(49.7471, 52.0683, 52.5227)
contains.

XYZ(49.8301, 52.0234, 52.7626)	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(49.8301, 52.0234,
52.7626)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BEB8
RGB	196, 190, 184
RGB Percent	77%, 75%, 72%
CMY	0.2314, 0.2549, 0.2784
CMYK	0.00, 0.03, 0.06, 0.23
HSL	30°, 9%, 75%
HSV	30°, 6%, 77%
XYZ	49.8301, 52.0234, 52.7626
YIQ	191.1100, 5.5020, -0.5940

Conversions

Conversions Part 2

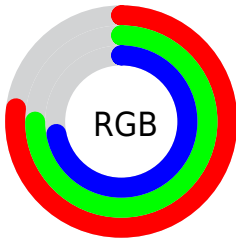
Format	Color
RYB	196, 196, 184
Decimal	12893880
CIELab	77.29, 1.04, 3.76
CIElCh	77, 3.902, 74.592
Yxy	52.0234, 0.3223, 0.3365
Android (android.graphics.Color)	4291083960 (0xFFC4BEB8)
YUV	191.1100, -3.5052, 4.2885
Hunter-Lab	72.1272, -2.9035, 7.1172

Details

The XYZ color **49.8301, 52.0234, 52.7626** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.1442, 51.0018, 59.5319**, and the grayscale version is **49.6037, 52.1870, 56.8316**.

A 20% lighter version of the original color is **89.1920, 93.0855, 95.7044**, and **24.1977, 25.2808, 25.0771** is the 20% darker color. If you saturate the color by 10%, you get **45.8662, 47.1586, 41.9974**, and if you desaturate by 10%, it is **54.2242, 57.2918, 65.0769**.

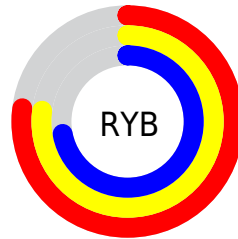
Distribution



Red (77%)

Green (75%)

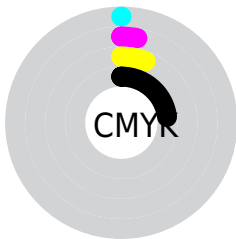
Blue (72%)



Red (77%)

Yellow (77%)

Blue (72%)

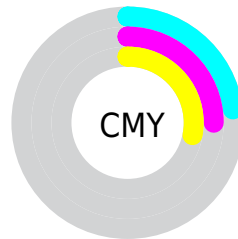


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (23%)



Cyan (23%)

Magenta (25%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8301, 52.0234, 52.7626 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 49.8301, 52.0234, 52.7626 by changing the saturation by 10% instead.

■ 49.8301, 52.0234,
52.7626

■ 49.8301, 52.0234,
52.7626

376.4641,
394.5269, 414.4141

■ 35.4957, 37.0237,
37.2269

■ 89.1164, 93.1657,
95.6929

■ 24.2132, 25.2259,
25.0860

114.7990,
120.0772, 123.9246

■ 15.6175, 16.2454,
15.9216

144.9951,
151.7281, 157.2254

■ 9.3430, 9.6980,
9.3149

180.0699,
188.5027, 196.0138

■ 5.0245, 5.1992,
4.8475

220.3888,
230.7855, 240.7083

■ 2.2965, 2.3646,
2.1009

266.3173,

■ 0.7929, 0.8076,

278.9609, 291.7275

0.6163

318.2206,
333.4132, 349.4899

■ 0.0000, 0.0000,
0.0000

■ 49.8301, 52.0234,
52.7626

■ 49.8301, 52.0234,
52.7626

■ 45.8662, 47.1586,
41.9974

■ 54.2242, 57.2918,
65.0769

■ 42.3138, 42.6803,
32.7157

■ 59.0577, 62.9666,
78.9957

■ 39.1589, 38.5801,
24.8523

■ 64.3452, 69.0597,
94.5755

■ 36.3852, 34.8467,
18.3355

■ 68.8843, 75.0941,
105.4718

■ 33.9751, 31.4682,
13.0876

■ 71.6739, 80.6734,
106.4017

■ 31.9093, 28.4318,
9.0225

■ 74.6190, 86.5635,
107.3833

■ 30.1663, 25.7236,
6.0435

■ 76.5751, 90.4759,
108.0354

■ 28.7215, 23.3283,
4.0382

■ 27.5445, 21.2280,
2.8639

Harmonies

Analogous

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



50.4788, 52.0234, 53.7995



49.8301, 52.0234, 52.7626



49.0849, 52.0234, 52.7481

Triad

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



49.8301, 52.0234, 52.7626



48.0667, 52.0234, 57.6896



50.4641, 52.0234, 59.6313

Complementary

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



49.8301, 52.0234, 52.7626



48.1442, 51.0018, 59.5319

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.



49.8102, 52.0234, 60.7285



49.8301, 52.0234, 52.7626



48.4287, 52.0234, 59.5884

Square

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



49.8301, 52.0234, 52.7626



48.0719, 52.0234, 55.5564



49.0652, 52.0234, 60.7126



50.8474, 52.0234, 57.7470

Rectangle

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



49.8301, 52.0234, 52.7626



48.6340, 52.0234, 53.3183



49.0652, 52.0234, 60.7126



50.2684, 52.0234, 60.1065

Sweetspot

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



49.8315, 52.0257, 52.7637



93.4320, 98.0607, 104.3635



49.2003, 49.7352, 55.7225



20.0153, 21.0094, 22.3856



0.0000, 0.0000, 0.0000



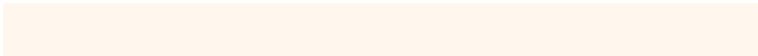
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8315, 52.0257, 52.7637



89.5283, 93.3439, 93.5342



51.1571, 54.6768, 53.2056



10.6452, 11.0930, 11.0639



17.5238, 13.3334, 1.6500



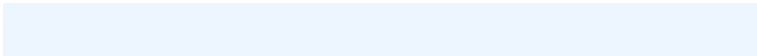
0.8261, 0.7140, 0.0943

Inverse Universe

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



48.1442, 51.0018, 59.5319



86.0020, 91.2040, 107.6791



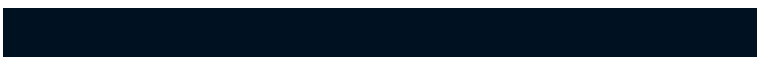
46.8722, 48.4576, 59.1078



10.2033, 10.8249, 12.8365



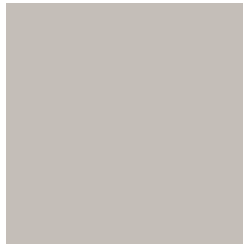
9.2909, 8.3383, 34.6764



0.4704, 0.4982, 1.5212

Previews

White Background



This preview shows how the XYZ color 49.8301, 52.0234, 52.7626 looks on a white background.

Color Contrast Check

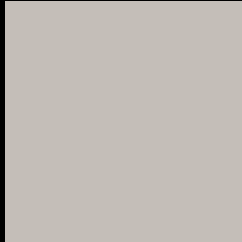
Large Text (above 18pt) WCAG AA × Fail

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 49.8301, 52.0234, 52.7626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

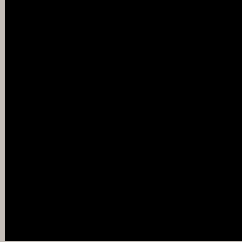
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8301, 52.0234, 52.7626

Background



This preview shows how black text looks on a background with the XYZ color 49.8301, 52.0234, 52.7626.

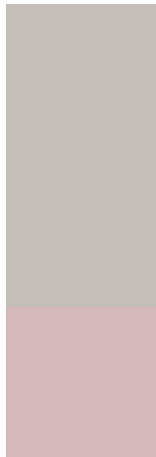


This preview shows how white text looks on a background with the XYZ color 49.8301, 52.0234,

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

49.8301, 52.0234, 52.7626

Protanopia

49.8301, 52.0234, 52.7626

Deuteranopia

52.9699, 52.0496, 53.1537



Tritanopia

51.9842, 51.9470, 63.1640

Trichromacy



Original Color

49.8301, 52.0234, 52.7626

Protanomaly

49.8301, 52.0234, 52.7626

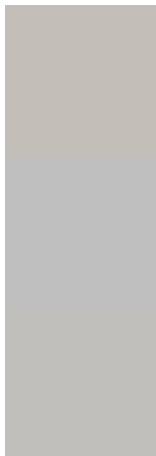
Deuteranomaly

51.9809, 52.1652, 53.2282

Tritanomaly

51.1222, 51.9123, 58.9554

Monochromacy



Original Color

49.8301, 52.0234, 52.7626

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.7002, 52.2299, 55.0388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8301, 52.0234, 52.7626 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(196, 190, 184)` looks like.

```
.text, #text, p{  
    color:rgb(196, 190, 184)  
}
```

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(196, 190, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 190, 184) }
```

Border

The CSS property to change the border of an element to XYZ 49.8301, 52.0234, 52.7626 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(196, 190, 184) }
```


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

```
.border{ border-color:rgb(196, 190, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 190, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 190, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 190, 184);  
box-shadow:4px 4px 4px 4px rgb(196, 190,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8301, 52.0234, 52.7626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 190, 184) }
```

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

```
.background{ background-color: rgb(196,  
190, 184) }
```

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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