

Converting Colors

XYZ(49.7896, 52.5691, 57.8468)

Have a look what the booklet for
XYZ(49.7896, 52.5691, 57.8468)
contains.

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Color

**XYZ(49.7105, 52.4967,
57.9649)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC0C1
RGB	190, 192, 193
RGB Percent	75%, 75%, 76%
CMY	0.2549, 0.2470, 0.2431
CMYK	0.02, 0.01, 0.00, 0.24
HSL	200°, 2%, 75%
HSV	200°, 2%, 76%
XYZ	49.7105, 52.4967, 57.9649
YIQ	191.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

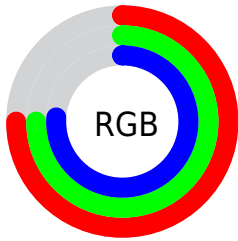
Format	Color
RYB	190, 191, 193
Decimal	12501185
CIELab	77.58, -0.50, -0.75
CIELCh	78, 0.906, 236.342
Yxy	52.4967, 0.3104, 0.3278
Android (android.graphics.Color)	4290691265 (0xFFBEC0C1)
YUV	191.5160, 0.7316, -1.3295
Hunter-Lab	72.4546, -4.3282, 3.2852

Details

The XYZ color **49.7105, 52.4967, 57.9649** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.9175, 52.3162, 56.1831**, and the grayscale version is **49.8187, 52.4131, 57.0779**.

A 20% lighter version of the original color is **88.6723, 93.5672, 103.0093**, and **24.2828, 25.6771, 28.4873** is the 20% darker color. If you saturate the color by 10%, you get **43.8285, 47.4210, 57.2960**, and if you desaturate by 10%, it is **56.2952, 58.0287, 58.6864**.

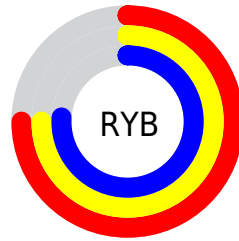
Distribution



Red (75%)

Green (75%)

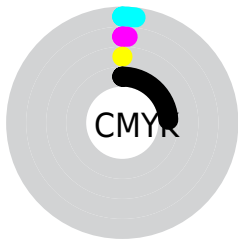
Blue (76%)



Red (75%)

Yellow (75%)

Blue (76%)

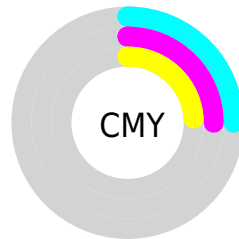


Cyan (2%)

Magenta (1%)

Yellow (0%)

Black (24%)



Cyan (25%)

Magenta (25%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7105, 52.4967, 57.9649 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 49.7105, 52.4967, 57.9649 by changing the saturation by 10% instead.

■ 49.7105, 52.4967,
57.9649

■ 49.7105, 52.4967,
57.9649

376.0035,
396.3512, 434.6497

■ 35.4003, 37.4011,
41.3659

■ 88.9402, 93.8634,
103.3860

■ 24.1393, 25.5182,
28.2833

114.5904,
120.9032, 133.0452

■ 15.5623, 16.4636,
18.2984

144.7512,
152.6933, 167.8949

■ 9.3038, 9.8528,
10.9928

179.7882,
189.6181, 208.3537

■ 4.9986, 5.3015,
5.9479

220.0665,
232.0618, 254.8400

■ 2.2812, 2.4252,
2.7451

265.9516,

■ 0.7850, 0.8388,

280.4090, 307.7724

0.9660

317.8088,
335.0440, 367.5695

■ 0.0000, 0.0000,
0.0000

■ 49.7105, 52.4967,
57.9649

■ 49.7105, 52.4967,
57.9649

■ 43.8285, 47.4210,
57.2960

■ 56.2952, 58.0287,
58.6864

■ 38.6191, 42.7805,
56.6749

■ 63.6024, 64.0238,
59.4585

■ 34.0564, 38.5622,
56.1011

■ 71.6567, 70.4974,
60.2835

■ 30.1112, 34.7497,
55.5732

■ 75.8475, 75.0737,
60.9459

■ 26.7518, 31.3256,
55.0893

■ 77.5392, 78.4571,
61.5098

■ 23.9436, 28.2708,
54.6477

■ 79.2959, 81.9705,
62.0954

■ 21.6481, 25.5641,
54.2462

■ 81.1183, 85.6153,
62.7029

■ 19.8211, 23.1815,
53.8826

■ 83.0071, 89.3929,
63.3325

■ 18.4105, 21.0948,
53.5542

■ 84.9629, 93.3046,
63.9844

Harmonies

Analogous

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



49.5960, 52.4967, 57.5881



49.7105, 52.4967, 57.9649



49.8751, 52.4967, 58.1259

Triad

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



49.7105, 52.4967, 57.9649



50.2327, 52.4967, 57.2214



49.7476, 52.4967, 56.3017

Complementary

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



49.7105, 52.4967, 57.9649



49.9175, 52.3162, 56.1831

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.



49.9180, 52.4967, 56.2048



49.7105, 52.4967, 57.9649



50.1983, 52.4967, 56.7339

Square

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



49.7105, 52.4967, 57.9649



50.1768, 52.4967, 57.6951



50.0830, 52.4967, 56.3625



49.6173, 52.4967, 56.6282

Rectangle

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



49.7105, 52.4967, 57.9649



49.9912, 52.4967, 58.0886



50.0830, 52.4967, 56.3625



49.8020, 52.4967, 56.2413

Sweetspot

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



49.7120, 52.4989, 57.9660



90.7827, 95.5105, 104.0109



49.7044, 52.8473, 56.8430



19.4759, 20.4902, 22.3138



92.9021, 97.7402, 106.4391

Same Dimension

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



49.7120, 52.4989, 57.9660



88.5027, 93.5729, 103.7571



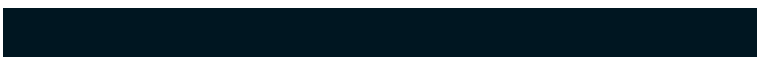
49.3945, 51.8639, 57.8602



11.0747, 11.7046, 12.9604



11.6887, 13.1338, 35.4756



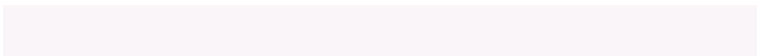
0.5661, 0.6897, 1.5532

Inverse Universe

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



49.9214, 51.9711, 57.2721



88.9917, 92.3432, 102.1355



50.2360, 52.9532, 56.2893



11.1310, 11.5627, 12.7734



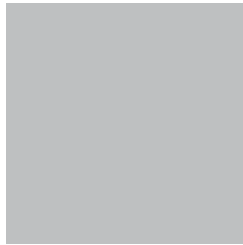
17.2959, 8.6081, 14.7360



0.7781, 0.3843, 0.7991

Previews

White Background



This preview shows how the XYZ color 49.7105, 52.4967, 57.9649 looks on a white background.

Color Contrast Check

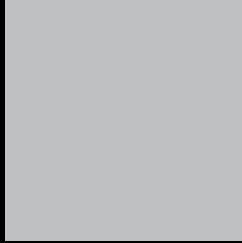
Large Text (above 18pt) WCAG AA × Fail

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 49.7105, 52.4967, 57.9649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

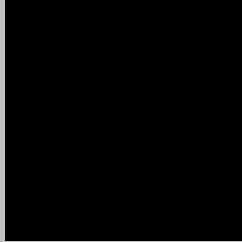
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

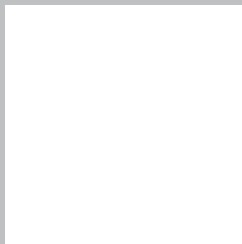
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7105, 52.4967, 57.9649

Background



This preview shows how black text looks on a background with the XYZ color 49.7105, 52.4967, 57.9649.

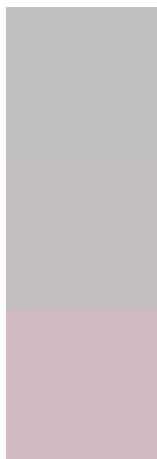


This preview shows how white text looks on a background with the XYZ color 49.7105, 52.4967,

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

49.7105, 52.4967, 57.9649

Protanopia

50.6509, 52.6695, 57.3658

Deuteranopia

53.5910, 52.5682, 58.3611



Tritanopia

51.1711, 52.4412, 65.1828

Trichromacy



Original Color

49.7105, 52.4967, 57.9649

Protanomaly

50.1375, 52.4048, 57.3418

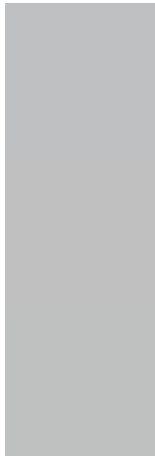
Deuteranomaly

52.0779, 52.4180, 58.4118

Tritanomaly

50.6593, 52.5550, 62.7324

Monochromacy



Original Color

49.7105, 52.4967, 57.9649

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8499, 52.5814, 57.3910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7105, 52.4967, 57.9649 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, 192, 193) looks like.

```
.text, #text, p{  
    color:rgb(190, 192, 193)  
}
```

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, 192, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 192, 193) }
```

Border

The CSS property to change the border of an element to XYZ 49.7105, 52.4967, 57.9649 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, 192, 193) }
```

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

```
.border{ border-color:rgb(190, 192, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 192, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 192, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 192, 193);  
box-shadow:4px 4px 4px 4px rgb(190, 192,  
193) }
```


Background

The CSS property to change the background color of an element to XYZ 49.7105, 52.4967, 57.9649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 192, 193) }
```

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

```
.background{ background-color: rgb(190,  
192, 193) }
```

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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