

Converting Colors

XYZ(49.8264, 58.0571, 37.5677)

Have a look what the booklet for
XYZ(49.8264, 58.0571, 37.5677)
contains.

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Color

**XYZ(49.8102, 58.1651,
37.4559)**

Conversions

Conversions Part 1

Format	Color
Hex	C1CF96
RGB	193, 207, 150
RGB Percent	76%, 81%, 59%
CMY	0.2431, 0.1882, 0.4118
CMYK	0.07, 0.00, 0.28, 0.19
HSL	75°, 37%, 70%
HSV	75°, 28%, 81%
XYZ	49.8102, 58.1651, 37.4559
YIQ	196.3160, 9.9530, -20.6950

Conversions

Conversions Part 2

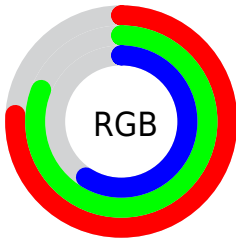
Format	Color
RYB	150, 207, 164
Decimal	12701590
CIELab	80.83, -14.26, 26.81
CIELCh	81, 30.368, 118.000
Yxy	58.1651, 0.3425, 0.3999
Android (android.graphics.Color)	4290891670 (0xFFC1CF96)
YUV	196.3160, -22.8338, -2.9081
Hunter-Lab	76.2660, -16.8853, 24.2676

Details

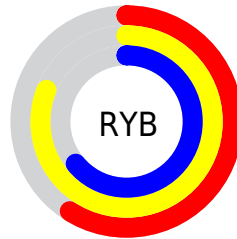
The XYZ color **49.8102, 58.1651, 37.4559** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.4809, 34.2118, 63.6627**, and the grayscale version is **52.7890, 55.5382, 60.4811**.

A 20% lighter version of the original color is **86.2038, 96.2518, 71.7926**, and **24.2908, 29.1723, 16.1549** is the 20% darker color. If you saturate the color by 10%, you get **47.0147, 56.9016, 29.3793**, and if you desaturate by 10%, it is **52.9478, 59.5745, 47.0880**.

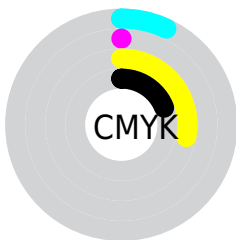
Distribution



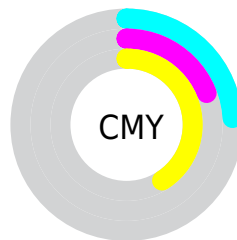
- Red (76%)
- Green (81%)
- Blue (59%)



- Red (59%)
- Yellow (81%)
- Blue (64%)



- Cyan (7%)
- Magenta (0%)
- Yellow (28%)
- Black (19%)



- Cyan (24%)
- Magenta (19%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8102, 58.1651, 37.4559 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 49.8102, 58.1651, 37.4559 by changing the saturation by 10% instead.

■ 49.8102, 58.1651,
37.4559

■ 49.8102, 58.1651,
37.4559

376.3875,
417.8009, 350.5081

■ 35.4798, 41.9414,
25.2621

■ 89.0871, 102.1632,
72.4676

■ 24.2009, 29.0554,
16.0517

■ 114.7643,
130.7065, 96.1225

■ 15.6083, 19.1227,
9.4060

144.9545,
164.1250, 124.4349

■ 9.3365, 11.7590,
4.9065

180.0230,
202.8032, 157.8234

■ 5.0202, 6.5798,
2.1347

220.3352,
247.1255, 196.7064

■ 2.2940, 3.2007,
0.6363

266.2565,

■ 0.7916, 1.2374,

297.4763, 241.5025

0.0000

318.1521,
354.2399, 292.6302

■ 0.0000, 0.0919,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.8102, 58.1651,
37.4559

■ 49.8102, 58.1651,
37.4559

■ 47.0147, 56.9016,
29.3793

■ 52.9478, 59.5745,
47.0880

■ 44.5408, 55.7700,
22.7728

■ 56.4379, 61.1281,
58.3474

■ 42.3727, 54.7657,
17.5485

■ 60.2957, 62.8340,
71.3061

■ 40.4912, 53.8810,
13.6077

■ 64.5343, 64.6976,
86.0306

■ 38.8746, 53.1073,
10.8385

■ 69.1660, 66.7237,
102.5840

■ 37.4976, 52.4342,
9.1100

■ 70.9542, 67.6179,
103.9196

■ 36.3250, 51.8477,
8.2395

■ 72.5497, 68.4404,
103.9943

■ 36.0531, 51.7108,
8.0810

■ 74.1926, 69.2874,
104.0712

■ 75.8835, 70.1590,
104.1503

Harmonies

Analogous

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



55.7063, 58.1651, 34.6914



49.8102, 58.1651, 37.4559



45.6690, 58.1651, 46.7267

Triad

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



49.8102, 58.1651, 37.4559



49.1329, 58.1651, 97.3939



68.2423, 58.1651, 64.5455

Complementary

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



49.8102, 58.1651, 37.4559



37.4809, 34.2118, 63.6627

Split Complementary

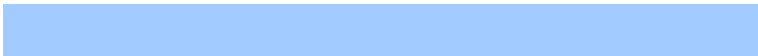
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.1623, 58.1651, 83.4677



49.8102, 58.1651, 37.4559



54.8642, 58.1651, 104.5298

Square

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



49.8102, 58.1651, 37.4559



45.2993, 58.1651, 80.9819



61.1452, 58.1651, 99.0095



66.6381, 58.1651, 48.4530

Rectangle

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



49.8102, 58.1651, 37.4559



44.3007, 58.1651, 56.4150



61.1452, 58.1651, 99.0095



67.9478, 58.1651, 70.7923

Sweetspot

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



49.8117, 58.1677, 37.4571



90.1178, 97.8169, 92.4254



44.3897, 41.7702, 34.5779



19.0997, 20.8528, 19.1627



0.0000, 0.0000, 0.0000



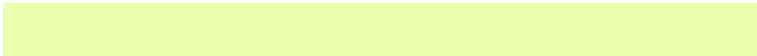
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8117, 58.1677, 37.4571



77.1353, 92.0023, 52.1459



43.3785, 54.8512, 37.1561



12.5079, 13.6453, 12.5866



22.8034, 32.6245, 5.0953



1.3444, 1.8599, 0.2881

Inverse Universe

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



37.4809, 34.2118, 63.6627



54.2024, 47.4336, 100.9066



43.8584, 37.4995, 63.9612



11.4319, 11.5559, 14.8717



8.0242, 3.3169, 37.4098



0.5222, 0.2234, 2.0952

Previews

White Background



This preview shows how the XYZ color 49.8102, 58.1651, 37.4559 looks on a white background.

Color Contrast Check

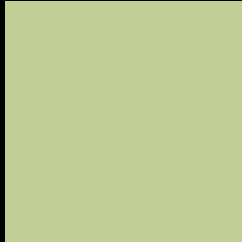
Large Text (above 18pt) WCAG AA × Fail

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 49.8102, 58.1651, 37.4559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

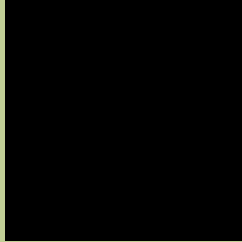
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8102, 58.1651, 37.4559

Background



This preview shows how black text looks on a background with the XYZ color 49.8102, 58.1651, 37.4559.



This preview shows how white text looks on a background with the XYZ color 49.8102, 58.1651,

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

49.8102, 58.1651, 37.4559

Protanopia

53.9451, 57.8622, 35.9291

Deuteranopia

58.8604, 57.6613, 38.1645



Tritanopia

56.9181, 58.2584, 71.8634

Trichromacy



Original Color

49.8102, 58.1651, 37.4559

Protanomaly

52.4334, 58.1154, 36.4708

Deuteranomaly

55.1489, 57.4151, 37.8813

Tritanomaly

54.0777, 58.1448, 57.6631

Monochromacy



Original Color

49.8102, 58.1651, 37.4559

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.2966, 56.1653, 50.7852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8102, 58.1651, 37.4559 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(193, 207, 150)` looks like.

```
.text, #text, p{  
    color:rgb(193, 207, 150)  
}
```

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(193, 207, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 207, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.8102, 58.1651, 37.4559 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(193, 207, 150) }
```


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

```
.border{ border-color:rgb(193, 207, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 207, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 207, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 207, 150);  
box-shadow:4px 4px 4px 4px rgb(193, 207,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8102, 58.1651, 37.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 207, 150) }
```

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

```
.background{ background-color: rgb(193,  
207, 150) }
```

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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