

Converting Colors

XYZ(49.8712, 57.1922, 36.5599)

Have a look what the booklet for
XYZ(49.8712, 57.1922, 36.5599)
contains.

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Color

**XYZ(49.7031, 57.0596,
36.4109)**

Conversions

Conversions Part 1

Format	Color
Hex	C4CC94
RGB	196, 204, 148
RGB Percent	77%, 80%, 58%
CMY	0.2314, 0.2000, 0.4196
CMYK	0.04, 0.00, 0.27, 0.20
HSL	69°, 35%, 69%
HSV	69°, 27%, 80%
XYZ	49.7031, 57.0596, 36.4109
YIQ	195.2240, 13.2080, -19.1120

Conversions

Conversions Part 2

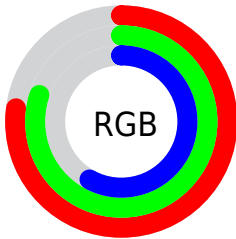
Format	Color
RYB	148, 204, 156
Decimal	12897428
CIELab	80.21, -11.88, 27.06
CIELCh	80, 29.559, 113.708
Yxy	57.0596, 0.3472, 0.3985
Android (android.graphics.Color)	4291087508 (0xFFC4CC94)
YUV	195.2240, -23.2814, 0.6806
Hunter-Lab	75.5378, -14.7400, 24.2974

Details

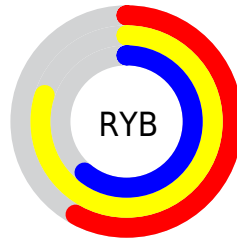
The XYZ color **49.7031, 57.0596, 36.4109** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.2015, 32.6088, 61.5688**, and the grayscale version is **52.1355, 54.8506, 59.7323**.

A 20% lighter version of the original color is **86.9287, 96.6669, 69.9541**, and **24.2193, 28.4265, 15.5196** is the 20% darker color. If you saturate the color by 10%, you get **47.4780, 56.0847, 28.6078**, and if you desaturate by 10%, it is **52.2305, 58.1610, 45.7160**.

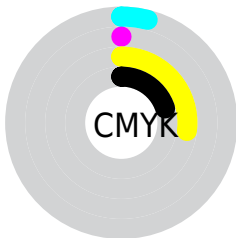
Distribution



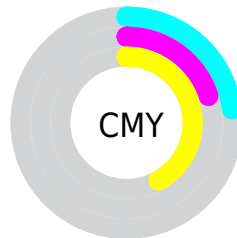
- Red (77%)
- Green (80%)
- Blue (58%)



- Red (58%)
- Yellow (80%)
- Blue (61%)



- Cyan (4%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)



- Cyan (23%)
- Magenta (20%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7031, 57.0596, 36.4109 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 49.7031, 57.0596, 36.4109 by changing the saturation by 10% instead.

■ 49.7031, 57.0596,
36.4109

■ 49.7031, 57.0596,
36.4109

375.9750,
413.6726, 345.8445

■ 35.3944, 41.0531,
24.4595

■ 88.9293, 100.5521,
70.8420

■ 24.1348, 28.3606,
15.4595

■ 114.5774,
128.8070, 94.1587

■ 15.5589, 18.5976,
8.9923

144.7361,
161.9134, 122.1010

■ 9.3014, 11.3799,
4.6394

179.7707,
200.2557, 155.0874

■ 4.9970, 6.3230,
1.9823

220.0465,
244.2184, 193.5364

■ 2.2802, 3.0424,
0.5444

265.9289,

■ 0.7845, 1.1539,

294.1859, 237.8666

0.0000

317.7833,
350.5425, 288.4964

■ 0.0000, 0.0236,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7031, 57.0596,
36.4109

■ 49.7031, 57.0596,
36.4109

■ 47.4780, 56.0847,
28.6078

■ 52.2305, 58.1610,
45.7160

■ 45.5358, 55.2228,
22.2244

■ 55.0697, 59.3869,
56.5923

■ 43.8616, 54.4697,
17.1761

■ 58.2353, 60.7450,
69.1093

■ 42.4372, 53.8182,
13.3675

■ 61.7395, 62.2403,
83.3311

■ 41.2421, 53.2601,
10.6912

■ 65.5938, 63.8775,
99.3185

■ 40.2523, 52.7858,
9.0211

■ 67.2287, 64.6285,
103.5390

■ 39.4343, 52.3818,
8.1816

■ 68.0848, 65.0699,
103.5790

■ 39.2387, 52.2843,
8.0238

■ 68.9562, 65.5191,
103.6198

■ 69.8429, 65.9762,
103.6613

Harmonies

Analogous

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



55.5143, 57.0596, 34.6184



49.7031, 57.0596, 36.4109



45.4132, 57.0596, 44.4707

Triad

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



49.7031, 57.0596, 36.4109



47.6550, 57.0596, 92.9257



66.5960, 57.0596, 65.8395

Complementary

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



49.7031, 57.0596, 36.4109



35.2015, 32.6088, 61.5688

Split Complementary

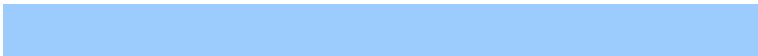
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.1276, 57.0596, 83.9323



49.7031, 57.0596, 36.4109



52.9724, 57.0596, 101.3317

Square

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



49.7031, 57.0596, 36.4109



44.2935, 57.0596, 76.4614



59.0310, 57.0596, 97.7679



65.5593, 57.0596, 49.7085

Rectangle

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



49.7031, 57.0596, 36.4109



43.8467, 57.0596, 53.2693



59.0310, 57.0596, 97.7679



66.1431, 57.0596, 71.9186

Sweetspot

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



49.7046, 57.0621, 36.4121



90.8730, 98.2062, 92.4608



42.0482, 38.5753, 33.2473



19.2910, 20.9514, 19.1716



0.0000, 0.0000, 0.0000



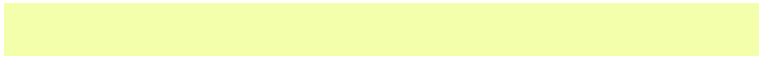
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7046, 57.0621, 36.4121



80.0489, 93.5043, 52.2823



43.2024, 53.7102, 36.1078



11.9901, 13.0123, 11.9591



24.7562, 32.9376, 5.0528



1.3214, 1.7220, 0.2627

Inverse Universe

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



35.2015, 32.6088, 61.5688



52.0840, 46.3415, 100.8074



41.1304, 35.6653, 61.8462



10.7485, 10.9196, 14.1116



7.2294, 2.9344, 36.1416



0.4223, 0.1768, 1.8668

Previews

White Background



This preview shows how the XYZ color 49.7031, 57.0596, 36.4109 looks on a white background.

Color Contrast Check

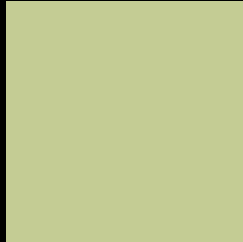
Large Text (above 18pt) WCAG AA × Fail

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 49.7031, 57.0596, 36.4109 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

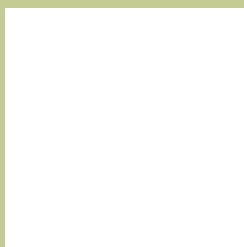
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7031, 57.0596, 36.4109

Background



This preview shows how black text looks on a background with the XYZ color 49.7031, 57.0596, 36.4109.



This preview shows how white text looks on a background with the XYZ color 49.7031, 57.0596,

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

49.7031, 57.0596, 36.4109

Protanopia

53.0523, 57.0683, 35.4133

Deuteranopia

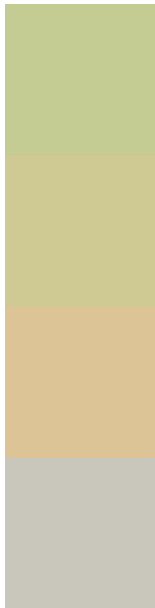
58.1484, 56.9884, 37.2133



Tritanopia

56.3996, 57.0204, 69.6615

Trichromacy



Original Color

49.7031, 57.0596, 36.4109

Protanomaly

51.8852, 57.1453, 35.8993

Deuteranomaly

54.7601, 56.8975, 36.9503

Tritanomaly

53.5879, 56.8952, 55.7344

Monochromacy



Original Color

49.7031, 57.0596, 36.4109

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.7356, 55.2046, 50.1010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7031, 57.0596, 36.4109 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, 204, 148)` looks like.

```
.text, #text, p{  
    color:rgb(196, 204, 148)  
}
```

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, 204, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 204, 148) }
```

Border

The CSS property to change the border of an element to XYZ 49.7031, 57.0596, 36.4109 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, 204, 148) }
```


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

```
.border{ border-color:rgb(196, 204, 148) }
```

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

Here you see how a box with a 4 pixel rgb(196, 204, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 204, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 204, 148);  
box-shadow:4px 4px 4px 4px rgb(196, 204,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7031, 57.0596, 36.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 204, 148) }
```

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

```
.background{ background-color: rgb(196,  
204, 148) }
```

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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