

Converting Colors

XYZ(51.5287, 49.9097, 37.4927)

Have a look what the booklet for
XYZ(51.5287, 49.9097, 37.4927)
contains.

XYZ(51.4680, 49.7889, 37.4694)	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(51.4680, 49.7889,
37.4694)**

Conversions

Conversions Part 1

Format	Color
Hex	DCB39A
RGB	220, 179, 154
RGB Percent	86%, 70%, 60%
CMY	0.1373, 0.2980, 0.3961
CMYK	0.00, 0.19, 0.30, 0.14
HSL	23°, 49%, 73%
HSV	23°, 30%, 86%
XYZ	51.4680, 49.7889, 37.4694
YIQ	188.4090, 32.4610, 0.9170

Conversions

Conversions Part 2

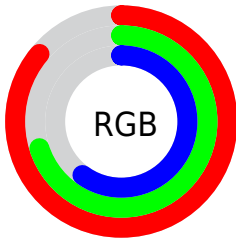
Format	Color
RYB	220, 194, 154
Decimal	14463898
CIELab	75.94, 11.25, 18.36
CIELCh	76, 21.535, 58.511
Yxy	49.7889, 0.3710, 0.3589
Android (android.graphics.Color)	4292653978 (0xFFDCB39A)
YUV	188.4090, -16.9636, 27.7053
Hunter-Lab	70.5612, 6.7173, 17.9087

Details

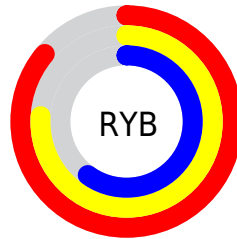
The XYZ color **51.4680, 49.7889, 37.4694** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.7592, 51.0660, 75.1552**, and the grayscale version is **48.1142, 50.6199, 55.1251**.

A 20% lighter version of the original color is **82.3335, 85.2307, 71.7862**, and **25.2189, 23.7935, 16.0954** is the 20% darker color. If you saturate the color by 10%, you get **47.1968, 43.9149, 27.8192**, and if you desaturate by 10%, it is **56.3491, 56.3448, 48.9808**.

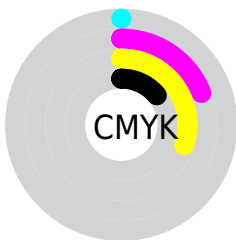
Distribution



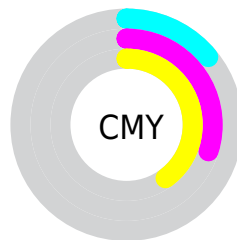
- Red (86%)
- Green (70%)
- Blue (60%)



- Red (86%)
- Yellow (76%)
- Blue (60%)



- Cyan (0%)
- Magenta (19%)
- Yellow (30%)
- Black (14%)





- Cyan (14%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4680, 49.7889, 37.4694 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 51.4680, 49.7889, 37.4694 by changing the saturation by 10% instead.


 51.4680, 49.7889,
37.4694


 51.4680, 49.7889,
37.4694


382.7371,
385.8398, 350.5680

 36.8038, 35.2457,
25.2725


 91.5251, 89.8620,
72.4885

 25.2286, 23.8522,
16.0593

 117.6486,
116.1607, 96.1478

 16.3771, 15.2240,
9.4113


148.3226,
147.1467, 124.4650

 9.8839, 8.9768,
4.9100

183.9124,
183.2044, 157.8586

 5.3837, 4.7260,
2.1367

224.7834,
224.7182, 196.7472

 2.5112, 2.0874,
0.6375

271.3010,

 0.9009, 0.6575,

272.0724, 241.5492

0.0000

323.8304,
325.6515, 292.6833

0.0000, 0.0000,
0.0000

51.4680, 49.7889,
37.4694

51.4680, 49.7889,
37.4694

47.1968, 43.9149,
27.8192

56.3491, 56.3448,
48.9808

43.5054, 38.6927,
19.9277

61.8607, 63.5974,
62.4421

40.3667, 34.1001,
13.6872

68.0272, 71.5700,
77.9401

37.7496, 30.1109,
8.9768

74.8703, 80.2823,
95.5555

35.6194, 26.6966,
5.6586

80.9274, 89.1600,
107.5520

■ 33.9361, 23.8257,
3.5693

■ 83.3252, 93.9557,
108.3513

■ 32.6353, 21.4558,
2.4213

■ 32.6352, 21.4556,
2.4213

Harmonies

Analogous

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



54.4308, 49.7889, 44.3347



51.4680, 49.7889, 37.4694



47.5237, 49.7889, 34.9886

Triad

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



51.4680, 49.7889, 37.4694



40.0221, 49.7889, 53.6394



51.1016, 49.7889, 76.0364

Complementary

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



51.4680, 49.7889, 37.4694



45.7592, 51.0660, 75.1552

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.



47.1226, 49.7889, 79.4337



51.4680, 49.7889, 37.4694



40.8623, 49.7889, 65.4563

Square

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



51.4680, 49.7889, 37.4694



41.0444, 49.7889, 43.4705



43.4065, 49.7889, 75.3191



54.2110, 49.7889, 66.5907

Rectangle

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



51.4680, 49.7889, 37.4694



44.9156, 49.7889, 35.8436



43.4065, 49.7889, 75.3191



49.8146, 49.7889, 77.9777

Sweetspot

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



51.4693, 49.7912, 37.4704



87.1924, 89.8486, 89.1282



51.0122, 42.3038, 57.5825



18.4062, 18.8969, 18.4407



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.



51.4693, 49.7912, 37.4704



68.0581, 64.2901, 43.5665



58.6922, 64.2369, 39.8780



13.4583, 13.8560, 13.6907



19.2525, 12.7906, 1.4541



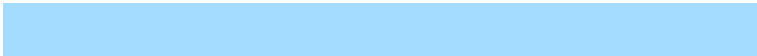
1.3288, 0.9916, 0.1214

Inverse Universe

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



45.7592, 51.0660, 75.1552



58.8465, 66.3301, 104.3092



39.3069, 38.1613, 73.0044



13.0089, 13.9576, 16.6606



12.9132, 13.6959, 41.7014



0.9186, 1.0514, 2.7290

Previews

White Background



This preview shows how the XYZ color 51.4680, 49.7889, 37.4694 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 51.4680, 49.7889, 37.4694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

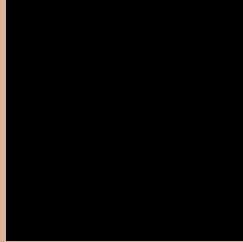
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4680, 49.7889, 37.4694

Background



This preview shows how black text looks on a background with the XYZ color 51.4680, 49.7889, 37.4694.



This preview shows how white text looks on a background with the XYZ color 51.4680, 49.7889,

37.4694.

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

51.4680, 49.7889, 37.4694

Protanopia

46.9678, 49.8796, 39.5000

Deuteranopia

50.7693, 49.7273, 37.4944



Tritanopia

54.9536, 49.7502, 54.2833

Trichromacy



Original Color

51.4680, 49.7889, 37.4694

Protanomaly

48.4031, 49.6944, 38.9392

Deuteranomaly

51.0674, 49.8810, 37.5083

Tritanomaly

53.7932, 49.8732, 47.8656

Monochromacy



Original Color

51.4680, 49.7889, 37.4694

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.0049, 50.1119, 48.1640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4680, 49.7889, 37.4694 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(220, 179, 154)` looks like.

```
.text, #text, p{  
    color:rgb(220, 179, 154)  
}
```

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(220, 179, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 179, 154) }
```

Border

The CSS property to change the border of an element to XYZ 51.4680, 49.7889, 37.4694 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(220, 179, 154) }
```


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

```
.border{ border-color:rgb(220, 179, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 179, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 179, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 179, 154);  
box-shadow:4px 4px 4px 4px rgb(220, 179,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4680, 49.7889, 37.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 179, 154) }
```

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

```
.background{ background-color: rgb(220,  
179, 154) }
```

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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