

Converting Colors

XYZ(49.4870, 52.5078, 37.1960)

Have a look what the booklet for
XYZ(49.4870, 52.5078, 37.1960)
contains.

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Color

**XYZ(49.4751, 52.5077,
37.2332)**

Conversions

Conversions Part 1

Format	Color
Hex	CDBF98
RGB	205, 191, 152
RGB Percent	80%, 75%, 60%
CMY	0.1961, 0.2510, 0.4039
CMYK	0.00, 0.07, 0.26, 0.20
HSL	44°, 35%, 70%
HSV	44°, 26%, 80%
XYZ	49.4751, 52.5077, 37.2332
YIQ	190.7400, 20.8630, -9.1610

Conversions

Conversions Part 2

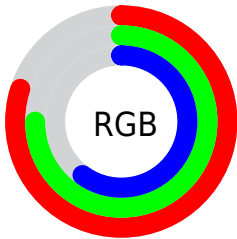
Format	Color
RYB	171, 205, 152
Decimal	13483928
CIELab	77.58, -1.17, 21.49
CIElCh	78, 21.525, 93.108
Yxy	52.5077, 0.3554, 0.3772
Android (android.graphics.Color)	4291674008 (0xFFCDBF98)
YUV	190.7400, -19.0988, 12.5060
Hunter-Lab	72.4622, -4.9342, 20.2586

Details

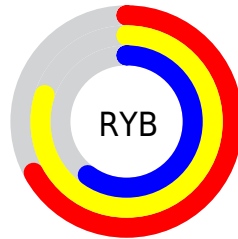
The XYZ color **49.4751, 52.5077, 37.2332** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.6043, 38.3547, 63.1790**, and the grayscale version is **49.4704, 52.0467, 56.6789**.

A 20% lighter version of the original color is **85.6413, 92.2378, 71.6824**, and **24.0151, 25.6006, 15.9876** is the 20% darker color. If you saturate the color by 10%, you get **46.7808, 49.5776, 28.7553**, and if you desaturate by 10%, it is **52.5061, 55.6460, 47.2563**.

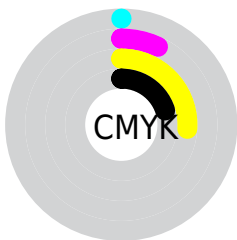
Distribution



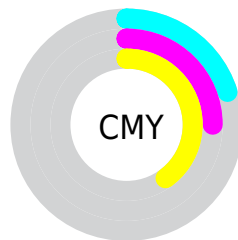
- Red (80%)
- Green (75%)
- Blue (60%)



- Red (67%)
- Yellow (80%)
- Blue (60%)



- Cyan (0%)
- Magenta (7%)
- Yellow (26%)
- Black (20%)





- Cyan (20%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4751, 52.5077, 37.2332 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 49.4751, 52.5077, 37.2332 by changing the saturation by 10% instead.


 49.4751, 52.5077,
37.2332


 49.4751, 52.5077,
37.2332


375.0957,
396.3935, 349.5181

 35.2126, 37.4099,
25.0909


 88.5932, 93.8796,
72.1216

 23.9940, 25.5250,
15.9252


 114.1794,
120.9224, 95.7048

 15.4539, 16.4687,
9.3174


144.2710,
152.7158, 123.9388

 9.2269, 9.8564,
4.8492

179.2332,
189.6440, 157.2420

 4.9478, 5.3038,
2.1018

219.4314,
232.0915, 196.0329

 2.2511, 2.4266,
0.6169

265.2310,

 0.7695, 0.8395,

280.4426, 240.7303

0.0000

316.9973,
335.0818, 291.7525

■ 0.0000, 0.0000,
0.0000

■ 49.4751, 52.5077,
37.2332

■ 49.4751, 52.5077,
37.2332

■ 46.7808, 49.5776,
28.7553

■ 52.5061, 55.6460,
47.2563

■ 44.4035, 46.8415,
21.7404

■ 55.8838, 58.9917,
58.8943

■ 42.3281, 44.2945,
16.1040

■ 59.6232, 62.5533,
72.2168

■ 40.5359, 41.9284,
11.7511

■ 63.7369, 66.3367,
87.2883

■ 39.0064, 39.7340,
8.5751

■ 68.2368, 70.3472,
104.1698

■ 37.7153, 37.7011,
6.4517

■ 69.7444, 73.2342,
105.0674

■ 36.6330, 35.8168,
5.2267

■ 71.2182, 76.1817,
105.5587

■ 36.2221, 35.0695,
4.8600

■ 72.7386, 79.2226,
106.0655

■ 74.3062, 82.3577,
106.5880

Harmonies

Analogous

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



53.6086, 52.5077, 39.0972



49.4751, 52.5077, 37.2332



45.6691, 52.5077, 40.0680

Triad

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



49.4751, 52.5077, 37.2332



43.5095, 52.5077, 70.6025



57.3768, 52.5077, 68.1582

Complementary

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



49.4751, 52.5077, 37.2332



37.6043, 38.3547, 63.1790

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.



54.3993, 52.5077, 78.5592



49.4751, 52.5077, 37.2332



46.3799, 52.5077, 80.1024

Square

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



49.4751, 52.5077, 37.2332



42.3470, 52.5077, 58.4214



50.3414, 52.5077, 83.1974



58.3171, 52.5077, 55.9404

Rectangle

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



49.4751, 52.5077, 37.2332



43.7863, 52.5077, 44.5071



50.3414, 52.5077, 83.1974



56.5731, 52.5077, 72.0368

Sweetspot

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



49.4765, 52.5101, 37.2343



90.2431, 95.3660, 91.9458



43.3007, 38.1943, 41.2313



19.1315, 20.2313, 19.0410



0.0000, 0.0000, 0.0000



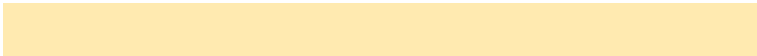
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4765, 52.5101, 37.2343



78.5301, 83.3098, 52.9898



49.3981, 57.2192, 38.1474



11.8935, 12.5759, 11.8800



22.6307, 21.9944, 3.0526



1.2274, 1.2545, 0.1774

Inverse Universe

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



37.6043, 38.3547, 63.1790



55.8696, 56.2971, 102.5295



37.6339, 34.7966, 62.4906



10.8387, 11.3178, 14.1837



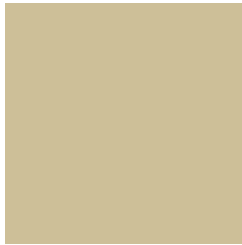
7.7521, 4.5282, 36.4217



0.4635, 0.3608, 1.9002

Previews

White Background



This preview shows how the XYZ color 49.4751, 52.5077, 37.2332 looks on a white background.

Color Contrast Check

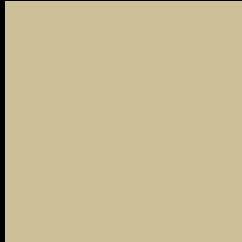
Large Text (above 18pt) WCAG AA × Fail

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 49.4751, 52.5077, 37.2332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

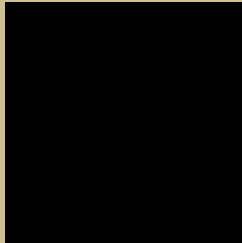
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4751, 52.5077, 37.2332

Background



This preview shows how black text looks on a background with the XYZ color 49.4751, 52.5077, 37.2332.



This preview shows how white text looks on a background with the XYZ color 49.4751, 52.5077,

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

49.4751, 52.5077, 37.2332

Protanopia

49.2001, 52.3660, 37.2203

Deuteranopia

53.3217, 52.2689, 37.4155



Tritanopia

54.5217, 52.6703, 61.3256

Trichromacy



Original Color

49.4751, 52.5077, 37.2332

Protanomaly

49.2001, 52.3660, 37.2203

Deuteranomaly

51.8390, 52.4395, 37.5266

Tritanomaly

52.5083, 52.4734, 51.6169

Monochromacy



Original Color

49.4751, 52.5077, 37.2332

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.3316, 52.1717, 49.0651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4751, 52.5077, 37.2332 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(205, 191, 152) looks like.

```
.text, #text, p{  
    color:rgb(205, 191, 152)  
}
```

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(205, 191, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 191, 152) }
```

Border

The CSS property to change the border of an element to XYZ 49.4751, 52.5077, 37.2332 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(205, 191, 152) }
```


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

```
.border{ border-color:rgb(205, 191, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 191, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 191, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 191, 152);  
box-shadow:4px 4px 4px 4px rgb(205, 191,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4751, 52.5077, 37.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 191, 152) }
```

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

```
.background{ background-color: rgb(205,  
191, 152) }
```

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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