

Converting Colors

XYZ(48.6566, 45.4083, 37.0792)

Have a look what the booklet for
XYZ(48.6566, 45.4083, 37.0792)
contains.

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Color

**XYZ(48.7196, 45.4942,
37.2238)**

Conversions

Conversions Part 1

Format	Color
Hex	D9A99B
RGB	217, 169, 155
RGB Percent	85%, 66%, 61%
CMY	0.1490, 0.3372, 0.3922
CMYK	0.00, 0.22, 0.29, 0.15
HSL	14°, 45%, 73%
HSV	14°, 29%, 85%
XYZ	48.7196, 45.4942, 37.2238
YIQ	181.7560, 33.1020, 5.8220

Conversions

Conversions Part 2

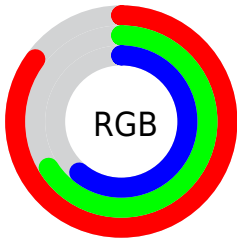
Format	Color
R_{YB}	217, 173, 155
Decimal	14264731
CIE _{Lab}	73.22, 15.60, 13.97
CIE _{LCh}	73, 20.944, 41.855
Yxy	45.4942, 0.3707, 0.3461
Android (android.graphics.Color)	4292454811 (0xFFD9A99B)
YUV	181.7560, -13.1907, 30.9090
Hunter-Lab	67.4494, 10.8965, 14.4938

Details

The XYZ color **48.7196, 45.4942, 37.2238** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.3972, 54.6884, 73.7035**, and the grayscale version is **44.3885, 46.7002, 50.8565**.

A 20% lighter version of the original color is **79.4043, 79.1748, 71.4188**, and **23.5579, 21.2991, 15.9662** is the 20% darker color. If you saturate the color by 10%, you get **44.1317, 38.9773, 27.4970**, and if you desaturate by 10%, it is **54.0390, 52.9494, 48.8112**.

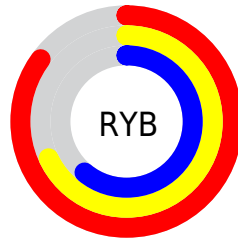
Distribution



Red (85%)

Green (66%)

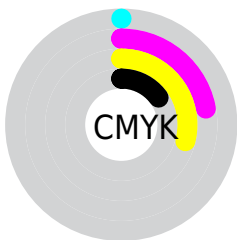
Blue (61%)



Red (85%)

Yellow (68%)

Blue (61%)

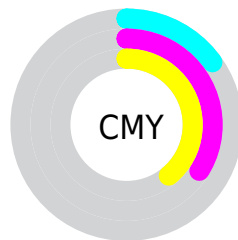


Cyan (0%)

Magenta (22%)

Yellow (29%)

Black (15%)



Cyan (15%)


Magenta (34%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7196, 45.4942, 37.2238 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 48.7196, 45.4942, 37.2238 by changing the saturation by 10% instead.


 48.7196, 45.4942,
37.2238


 48.7196, 45.4942,
37.2238


372.1727,
368.7714, 349.4763

 34.6107, 31.8469,
25.0837


 87.4781, 83.4615,
72.1070

 23.5283, 21.2446,
15.9198


 112.8584,
108.5503, 95.6872

 15.1069, 13.3029,
9.3137


142.7266,
138.2217, 123.9178

 8.9812, 7.6374,
4.8468

177.4480,
172.8600, 157.2174

 4.7860, 3.8638,
2.1005

217.3879,
212.8498, 196.0045

 2.1557, 1.5977,
0.6160

262.9118,

 0.7192, 0.3560,

258.5754, 240.6976

0.0000

314.3849,
310.4211, 291.7154

■ 0.0000, 0.0000,
0.0000

■ 48.7196, 45.4942,
37.2238

■ 48.7196, 45.4942,
37.2238

■ 44.1317, 38.9773,
27.4970

■ 54.0390, 52.9494,
48.8112

■ 40.2389, 33.3549,
19.5304

■ 60.1169, 61.3718,
62.3466

■ 37.0071, 28.5893,
13.2186

■ 66.9832, 70.7969,
77.9153

■ 34.3977, 24.6373,
8.4436

■ 74.6654, 81.2563,
95.5968

■ 32.3679, 21.4521,
5.0716

■ 81.7899, 92.2209,
108.0974

■ 30.8688, 18.9813,
2.9453

■ 82.4253, 93.4917,
108.3092

■ 29.8344, 17.1627,
1.8293

■ 29.7143, 16.9497,
1.7055

Harmonies

Analogous

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



50.5304, 45.4942, 45.4939



48.7196, 45.4942, 37.2238



45.4786, 45.4942, 32.6882

Triad

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



48.7196, 45.4942, 37.2238



36.8686, 45.4942, 43.4975



44.7086, 45.4942, 72.0939

Complementary

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



48.7196, 45.4942, 37.2238



47.3972, 54.6884, 73.7035

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.



41.0777, 45.4942, 71.3584



48.7196, 45.4942, 37.2238



36.6884, 45.4942, 53.8096

Square

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



48.7196, 45.4942, 37.2238



38.6959, 45.4942, 35.9412



38.1891, 45.4942, 64.3003



48.1285, 45.4942, 66.1866

Rectangle

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



48.7196, 45.4942, 37.2238



43.0126, 45.4942, 31.9393



38.1891, 45.4942, 64.3003



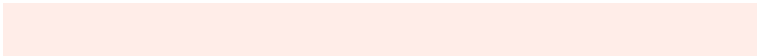
43.4700, 45.4942, 72.6359

Sweetspot

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



48.7208, 45.4963, 37.2247



86.1646, 87.7930, 88.7855



51.1841, 42.5337, 62.3670



18.1543, 18.3930, 18.3567



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.



48.7208, 45.4963, 37.2247



66.2942, 60.0151, 45.2825



55.0552, 58.1651, 39.3362



13.2934, 13.5262, 13.6358



18.0532, 10.3920, 1.0543



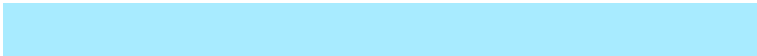
1.2348, 0.8036, 0.0900

Inverse Universe

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



47.3972, 54.6884, 73.7035



64.0901, 75.2332, 105.7513



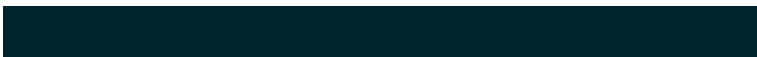
40.9030, 41.7000, 71.5388



13.1825, 14.3047, 16.7184



16.1389, 20.1472, 42.7766



1.1080, 1.4301, 2.7921

Previews

White Background



This preview shows how the XYZ color 48.7196, 45.4942, 37.2238 looks on a white background.

Color Contrast Check

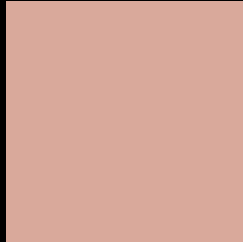
Large Text (above 18pt) WCAG AA × Fail

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 48.7196, 45.4942, 37.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

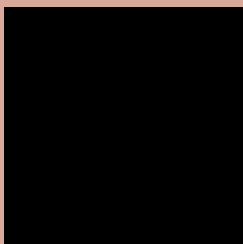
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7196, 45.4942, 37.2238

Background



This preview shows how black text looks on a background with the XYZ color 48.7196, 45.4942, 37.2238.



This preview shows how white text looks on a background with the XYZ color 48.7196, 45.4942,

37.2238.

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

48.7196, 45.4942, 37.2238

Protanopia

43.2043, 45.4696, 39.7571

Deuteranopia

46.5084, 45.4856, 36.9002



Tritanopia

51.1873, 45.7024, 48.2431

Trichromacy



Original Color

48.7196, 45.4942, 37.2238

Protanomaly

45.0547, 45.2707, 38.7112

Deuteranomaly

47.4492, 45.6870, 36.8895

Tritanomaly

50.2878, 45.5998, 44.1814

Monochromacy



Original Color

48.7196, 45.4942, 37.2238

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.6742, 46.0249, 45.5061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7196, 45.4942, 37.2238 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(217, 169, 155)` looks like.

```
.text, #text, p{  
    color:rgb(217, 169, 155)  
}
```

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(217, 169, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 169, 155) }
```

Border

The CSS property to change the border of an element to XYZ 48.7196, 45.4942, 37.2238 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(217, 169, 155) }
```


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

```
.border{ border-color:rgb(217, 169, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 169, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 169, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 169, 155);  
box-shadow:4px 4px 4px 4px rgb(217, 169,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7196, 45.4942, 37.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 169, 155) }
```

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

```
.background{ background-color: rgb(217,  
169, 155) }
```

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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