

Converting Colors

XYZ(37.0574, 48.5147, 45.2289)

Have a look what the booklet for
XYZ(37.0574, 48.5147, 45.2289)
contains.

XYZ(37.1948, 48.6547, 45.4611)	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(37.1948, 48.6547,
45.4611)**

Conversions

Conversions Part 1

Format	Color
Hex	84C7AA
RGB	132, 199, 170
RGB Percent	52%, 78%, 67%
CMY	0.4823, 0.2196, 0.3333
CMYK	0.34, 0.00, 0.15, 0.22
HSL	154°, 37%, 65%
HSV	154°, 34%, 78%
XYZ	37.1948, 48.6547, 45.4611
YIQ	175.6610, -30.6230, -23.2230

Conversions

Conversions Part 2

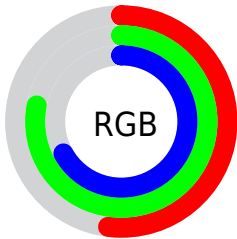
Format	Color
RYB	132, 175, 199
Decimal	8701866
CIELab	75.24, -27.54, 7.82
CIELCh	75, 28.626, 164.144
Yxy	48.6547, 0.2833, 0.3705
Android (android.graphics.Color)	4286891946 (0xFF84C7AA)
YUV	175.6610, -2.7909, -38.2907
Hunter-Lab	69.7529, -26.8849, 10.1851

Details

The XYZ color **37.1948, 48.6547, 45.4611** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.2391, 31.2189, 37.7305**, and the grayscale version is **41.1169, 43.2582, 47.1081**.

A 20% lighter version of the original color is **69.8441, 87.5210, 84.4462**, and **16.6199, 23.2211, 20.7457** is the 20% darker color. If you saturate the color by 10%, you get **33.5866, 46.8870, 41.1775**, and if you desaturate by 10%, it is **41.4527, 50.7538, 50.0559**.

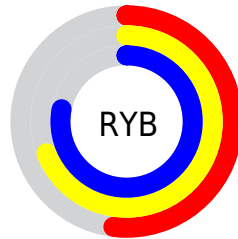
Distribution



Red (52%)

Green (78%)

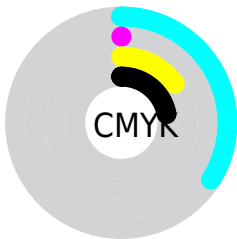
Blue (67%)



Red (52%)

Yellow (69%)

Blue (78%)

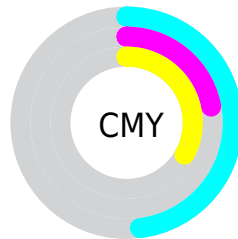


Cyan (34%)

Magenta (0%)

Yellow (15%)

Black (22%)



Cyan (48%)


Magenta (22%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1948, 48.6547, 45.4611 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 37.1948, 48.6547, 45.4611 by changing the saturation by 10% instead.


 37.1948, 48.6547,
45.4611


 37.1948, 48.6547,
45.4611


325.4940,
381.3814, 384.8523


 25.5327, 34.3456,
31.4752


 70.1842, 88.1784,
84.7377

 16.6052, 23.1593,
20.6995


 92.2422, 114.1618,
110.8654

 10.0470, 14.7111,
12.7154


 118.4962,
144.8055, 141.8775

 5.4926, 8.6169,
7.1044

149.3116,
180.4938, 178.1925

 2.5768, 4.4922,
3.4481

185.0537,
221.6112, 220.2289

 0.9341, 1.9525,
1.3277

226.0879,

 0.0000, 0.5797,

268.5419, 268.4054

0.0844

272.7796,
321.6705, 323.1403

■ 0.0000, 0.0000,
0.0000

■ 37.1948, 48.6547,
45.4611

■ 37.1948, 48.6547,
45.4611

■ 33.5866, 46.8870,
41.1775

■ 41.4527, 50.7538,
50.0559

■ 30.5891, 45.4268,
37.1950

■ 46.3885, 53.1947,
54.9653

■ 28.1655, 44.2565,
33.5074


■ 52.0334, 55.9948,
60.1969


■ 26.2729, 43.3541,
30.1070


■ 58.4155, 59.1685,
65.7568


■ 24.8619, 42.6944,
26.9857


■ 65.5614, 62.7293,
71.6510


 23.8734, 42.2468,
24.1348

 73.4964, 66.6901,
77.8854

 23.3973, 42.0379,
22.4636

 75.9894, 67.8387,
84.1729

 77.2316, 68.3356,
90.7141

 78.5344, 68.8567,
97.5747

Harmonies

Analogous

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



39.5620, 48.6547, 34.8150



37.1948, 48.6547, 45.4611



37.1273, 48.6547, 60.3629

Triad

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



37.1948, 48.6547, 45.4611



48.7567, 48.6547, 86.2615



53.8766, 48.6547, 35.2789

Complementary

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



37.1948, 48.6547, 45.4611



38.2391, 31.2189, 37.7305

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.



56.7447, 48.6547, 46.2190



37.1948, 48.6547, 45.4611



53.6407, 48.6547, 76.5587

Square

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



37.1948, 48.6547, 45.4611



43.5402, 48.6547, 85.9523



56.6553, 48.6547, 61.2781



49.0592, 48.6547, 29.7415

Rectangle

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



37.1948, 48.6547, 45.4611



38.3803, 48.6547, 70.9242



56.6553, 48.6547, 61.2781



55.1164, 48.6547, 38.3453

Sweetspot

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



37.1961, 48.6567, 45.4622



84.5563, 94.7897, 99.3975



39.2945, 50.0955, 29.4287



17.8053, 20.1436, 20.9994



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.



37.1961, 48.6567, 45.4622



60.6358, 82.9879, 74.3510



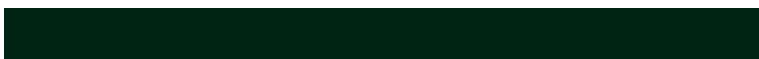
39.2368, 47.8525, 61.2037



10.7452, 11.9870, 12.6085



15.0890, 27.0480, 14.6790



0.7503, 1.2951, 0.8838

Inverse Universe

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



38.2391, 31.2189, 37.7305



62.7266, 48.0806, 58.8888



36.5895, 31.5492, 25.9914



10.8213, 10.7119, 12.0422



16.2711, 8.2580, 6.6376



0.8066, 0.4055, 0.5048

Previews

White Background



This preview shows how the XYZ color 37.1948, 48.6547, 45.4611 looks on a white background.

Color Contrast Check

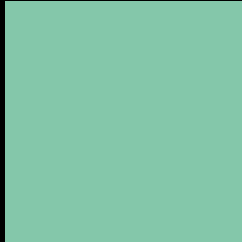
Large Text (above 18pt) WCAG AA × Fail

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 37.1948, 48.6547, 45.4611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

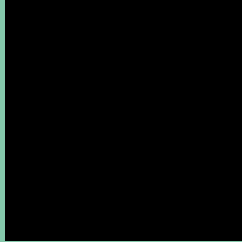
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1948, 48.6547, 45.4611

Background



This preview shows how black text looks on a background with the XYZ color 37.1948, 48.6547, 45.4611.



This preview shows how white text looks on a background with the XYZ color 37.1948, 48.6547,

45.4611.

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

37.1948, 48.6547, 45.4611

Protanopia

45.6544, 48.2271, 41.0849

Deuteranopia

49.0140, 48.0186, 46.7296



Tritanopia

41.5631, 48.4061, 67.4743

Trichromacy



Original Color

37.1948, 48.6547, 45.4611

Protanomaly

41.7837, 47.7697, 42.6156

Deuteranomaly

43.6921, 47.7186, 46.4430

Tritanomaly

39.8467, 48.3736, 58.8667

Monochromacy



Original Color

37.1948, 48.6547, 45.4611

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.2777, 44.8106, 46.6235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1948, 48.6547, 45.4611 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(132, 199, 170)` looks like.

```
.text, #text, p{  
    color:rgb(132, 199, 170)  
}
```

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(132, 199, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 199, 170) }
```

Border

The CSS property to change the border of an element to XYZ 37.1948, 48.6547, 45.4611 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(132, 199, 170) }
```


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

```
.border{ border-color:rgb(132, 199, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 199, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 199, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 199, 170);  
box-shadow:4px 4px 4px 4px rgb(132, 199,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1948, 48.6547, 45.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 199, 170) }
```

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

```
.background{ background-color: rgb(132,  
199, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor