

Converting Colors

XYZ(47.2773, 48.3887, 36.9852)

Have a look what the booklet for
XYZ(47.2773, 48.3887, 36.9852)
contains.

XYZ(47.3796, 48.5932, 37.0192)	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(47.3796, 48.5932,
37.0192)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB699
RGB	204, 182, 153
RGB Percent	80%, 71%, 60%
CMY	0.2000, 0.2863, 0.4000
CMYK	0.00, 0.11, 0.25, 0.20
HSL	34°, 33%, 70%
HSV	34°, 25%, 80%
XYZ	47.3796, 48.5932, 37.0192
YIQ	185.2720, 22.4210, -4.3550

Conversions

Conversions Part 2

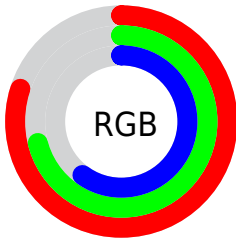
Format	Color
RYB	192, 204, 153
Decimal	13416089
CIELab	75.20, 3.36, 17.65
CIELCh	75, 17.964, 79.232
Yxy	48.5932, 0.3563, 0.3654
Android (android.graphics.Color)	4291606169 (0xFFCCB699)
YUV	185.2720, -15.9101, 16.4245
Hunter-Lab	69.7088, -0.6678, 17.3099

Details

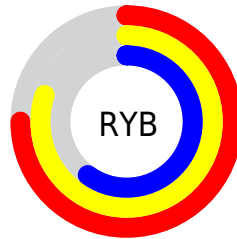
The XYZ color **47.3796, 48.5932, 37.0192** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.3656, 41.7908, 63.1187**, and the grayscale version is **46.3437, 48.7572, 53.0966**.

A 20% lighter version of the original color is **83.0770, 86.9141, 71.4289**, and **22.6430, 23.0494, 15.8259** is the 20% darker color. If you saturate the color by 10%, you get **44.0914, 44.4864, 28.3090**, and if you desaturate by 10%, it is **51.0717, 53.0461, 47.2863**.

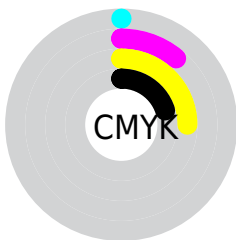
Distribution



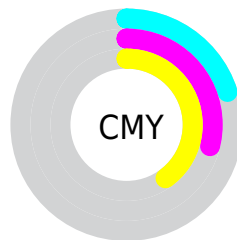
- Red (80%)
- Green (71%)
- Blue (60%)



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



- Cyan (0%)
- Magenta (11%)
- Yellow (25%)
- Black (20%)





- Cyan (20%)
- Magenta (29%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3796, 48.5932, 37.0192 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 47.3796, 48.5932, 37.0192 by changing the saturation by 10% instead.


 47.3796, 48.5932,
37.0192


 47.3796, 48.5932,
37.0192


366.9514,
381.1386, 348.5648

 33.5450, 34.2969,
24.9265

 85.4953, 88.0870,
71.7890

 22.7055, 23.1218,
15.8037

 110.5071,
114.0532, 95.3031

 14.4957, 14.6834,
9.2325


139.9754,
144.6782, 123.4614

 8.5503, 8.5975,
4.7943

174.2655,
180.3464, 156.6824

 4.5038, 4.4796,
2.0705

213.7428,
221.4421, 195.3848

 1.9909, 1.9453,
0.5981

258.7727,

 0.6288, 0.5754,

268.3498, 239.9869

0.0000

309.7204,
321.4539, 290.9074

■ 0.0000, 0.0000,
0.0000

■ 47.3796, 48.5932,
37.0192

■ 47.3796, 48.5932,
37.0192

■ 44.0914, 44.4864,
28.3090

■ 51.0717, 53.0461,
47.2863

■ 41.1865, 40.7092,
21.0750

■ 55.1795, 57.8479,
59.1796

■ 38.6482, 37.2530,
15.2333

■ 59.7189, 63.0099,
72.7680

■ 36.4567, 34.1065,
10.6907

■ 64.7039, 68.5407,
88.1153

■ 34.5900, 31.2573,
7.3423

■ 70.1475, 74.4484,
105.2806

■ 33.0227, 28.6915,
5.0665

■ 72.6017, 79.3569,
106.0986

■ 31.7246, 26.3932,
3.7153

■ 75.1805, 84.5144,
106.9582

■ 31.1494, 25.3322,
3.2479

■ 77.8856, 89.9246,
107.8599

■ 78.7120, 91.5774,
108.1354

Harmonies

Analogous

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



50.4459, 48.5932, 40.3295



47.3796, 48.5932, 37.0192



44.1319, 48.5932, 37.5678

Triad

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



47.3796, 48.5932, 37.0192



40.4619, 48.5932, 59.1106



51.1499, 48.5932, 65.6571

Complementary

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



47.3796, 48.5932, 37.0192



39.3656, 41.7908, 63.1187

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.



48.3036, 48.5932, 71.9458



47.3796, 48.5932, 37.0192



42.1737, 48.5932, 67.8667

Square

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



47.3796, 48.5932, 37.0192



40.2409, 48.5932, 49.5933



45.0134, 48.5932, 72.7993



52.6904, 48.5932, 56.3709

Rectangle

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



47.3796, 48.5932, 37.0192



42.2963, 48.5932, 40.0692



45.0134, 48.5932, 72.7993



50.3080, 48.5932, 68.2365

Sweetspot

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



47.3809, 48.5954, 37.0202



89.9010, 94.0893, 93.6585



44.0412, 38.7195, 45.7619



19.1511, 20.0329, 19.7796



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.



47.3809, 48.5954, 37.0202



75.4492, 76.7404, 53.2190



51.3230, 57.8482, 38.5984



11.7329, 12.2548, 11.8265



19.6997, 16.1324, 2.0756



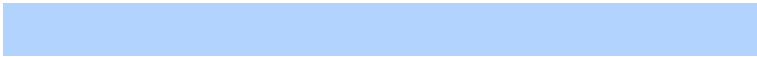
1.0908, 0.9813, 0.1319

Inverse Universe

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



39.3656, 41.7908, 63.1187



59.9421, 63.5784, 103.7203



36.0787, 34.2506, 61.8366



10.9930, 11.6265, 14.2351



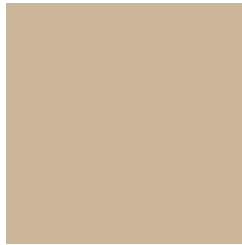
9.1443, 7.3126, 36.8858



0.5466, 0.5270, 1.9279

Previews

White Background



This preview shows how the XYZ color 47.3796, 48.5932, 37.0192 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 47.3796, 48.5932, 37.0192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

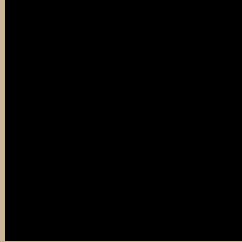
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3796, 48.5932, 37.0192

Background



This preview shows how black text looks on a background with the XYZ color 47.3796, 48.5932, 37.0192.



This preview shows how white text looks on a background with the XYZ color 47.3796, 48.5932,

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

47.3796, 48.5932, 37.0192

Protanopia

45.9466, 48.7668, 37.5631

Deuteranopia

49.4847, 48.4700, 37.3194



Tritanopia

51.4206, 48.7612, 55.9919

Trichromacy



Original Color

47.3796, 48.5932, 37.0192

Protanomaly

46.5264, 48.7562, 37.5305

Deuteranomaly

48.5312, 48.2749, 37.3320

Tritanomaly

49.7880, 48.6799, 48.3670

Monochromacy



Original Color

47.3796, 48.5932, 37.0192

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.4215, 48.5046, 46.4508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3796, 48.5932, 37.0192 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(204, 182, 153) looks like.

```
.text, #text, p{  
    color:rgb(204, 182, 153)  
}
```

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(204, 182, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 182, 153) }
```

Border

The CSS property to change the border of an element to XYZ 47.3796, 48.5932, 37.0192 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(204, 182, 153) }
```


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

```
.border{ border-color:rgb(204, 182, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 182, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 182, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 182, 153);  
box-shadow:4px 4px 4px 4px rgb(204, 182,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3796, 48.5932, 37.0192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 182, 153) }
```

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

```
.background{ background-color: rgb(204,  
182, 153) }
```

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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