

Converting Colors

XYZ(39.8779, 37.1684, 23.4865)

Have a look what the booklet for
XYZ(39.8779, 37.1684, 23.4865)
contains.

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Color

**XYZ(39.8059, 37.0250,
23.4609)**

Conversions

Conversions Part 1

Format	Color
Hex	CC997A
RGB	204, 153, 122
RGB Percent	80%, 60%, 48%
CMY	0.2000, 0.4000, 0.5216
CMYK	0.00, 0.25, 0.40, 0.20
HSL	23°, 45%, 64%
HSV	23°, 40%, 80%
XYZ	39.8059, 37.0250, 23.4609
YIQ	164.7150, 40.3470, 1.1710

Conversions

Conversions Part 2

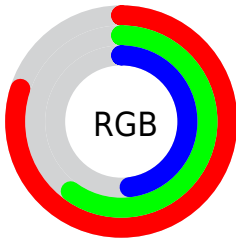
Format	Color
R_{YB}	204, 172, 122
Decimal	13408634
CIE _{Lab}	67.30, 15.05, 23.71
CIE _{LCh}	67, 28.087, 57.590
Yxy	37.0250, 0.3969, 0.3692
Android (android.graphics.Color)	4291598714 (0xFFCC997A)
YUV	164.7150, -21.0585, 34.4529
Hunter-Lab	60.8482, 10.2875, 19.7336

Details

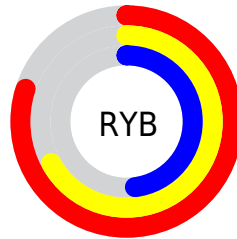
The XYZ color **39.8059, 37.0250, 23.4609** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.8680, 38.3828, 62.7502**, and the grayscale version is **35.7126, 37.5724, 40.9164**.

A 20% lighter version of the original color is **71.2907, 68.9808, 50.1146**, and **18.1667, 16.2797, 8.4881** is the 20% darker color. If you saturate the color by 10%, you get **36.7051, 32.6382, 16.8322**, and if you desaturate by 10%, it is **43.3948, 41.9630, 31.5620**.

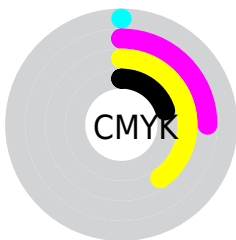
Distribution



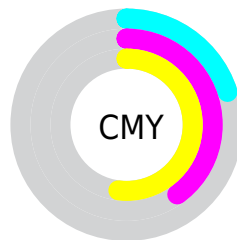
- Red (80%)
- Green (60%)
- Blue (48%)



- Red (80%)
- Yellow (67%)
- Blue (48%)



- Cyan (0%)
- Magenta (25%)
- Yellow (40%)
- Black (20%)





- Cyan (20%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8059, 37.0250, 23.4609 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 39.8059, 37.0250, 23.4609 by changing the saturation by 10% instead.


 39.8059, 37.0250,
23.4609


 39.8059, 37.0250,
23.4609


336.4533,
333.4187, 283.2818


 27.5708, 25.2268,
14.7257


 74.1541, 70.6112,
50.0818

 18.1412, 16.2461,
8.4826


 96.9978, 93.1681,
68.8045

 11.1517, 9.6985,
4.3131


 124.1085,
120.0800, 91.6936

 6.2370, 5.1995,
1.7986

155.8515,
151.7313, 119.1674

 3.0317, 2.3648,
0.4271

192.5921,
188.5065, 151.6446

 1.1706, 0.8077,
0.0000

234.6957,

 0.0829, 0.0000,

230.7898, 189.5437

0.0000

282.5276,
278.9658, 233.2833

■ 0.0000, 0.0000,
0.0000

■ 39.8059, 37.0250,
23.4609

■ 39.8059, 37.0250,
23.4609

■ 36.7051, 32.6382,
16.8322

■ 43.3948, 41.9630,
31.5620

■ 34.0658, 28.7770,
11.5833

■ 47.4907, 47.4663,
41.2160

■ 31.8633, 25.4212,
7.6143


■ 52.1150, 53.5547,
52.5000


■ 30.0685, 22.5470,
4.8107

■ 57.2870, 60.2458,
65.4856


■ 28.6482, 20.1282,
3.0371


■ 63.0249, 67.5560,
80.2397

 27.5650, 18.1638,
2.0531

 69.3459, 75.5013,
96.8260

 74.6479, 83.4496,
106.7808

 78.5520, 91.2577,
108.0821

 78.7118, 91.5773,
108.1354

Harmonies

Analogous

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



43.0301, 37.0250, 30.3216



39.8059, 37.0250, 23.4609



35.5396, 37.0250, 20.9989

Triad

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



39.8059, 37.0250, 23.4609



27.5677, 37.0250, 39.3275



39.1564, 37.0250, 65.1206

Complementary

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



39.8059, 37.0250, 23.4609



33.8680, 38.3828, 62.7502

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.



34.8450, 37.0250, 68.8643



39.8059, 37.0250, 23.4609



28.3672, 37.0250, 52.2908

Square

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



39.8059, 37.0250, 23.4609



28.6691, 37.0250, 28.9190



30.9476, 37.0250, 63.7609



42.6342, 37.0250, 54.3665

Rectangle

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



39.8059, 37.0250, 23.4609



32.7538, 37.0250, 21.7092



30.9476, 37.0250, 63.7609



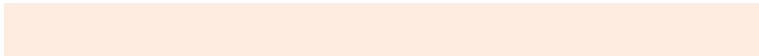
37.7465, 37.0250, 67.3255

Sweetspot

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



39.8068, 37.0268, 23.4616



84.7357, 86.6372, 83.0624



39.4950, 29.8101, 43.6828



17.9140, 18.2517, 17.2309



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.



39.8068, 37.0268, 23.4616



61.5421, 55.1346, 29.4441



47.4994, 52.4119, 26.0258



11.5541, 11.8972, 11.7669



17.4329, 11.5987, 1.3200



0.9719, 0.7435, 0.0923

Inverse Universe

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



33.8680, 38.3828, 62.7502



50.3916, 57.6376, 103.0770



27.3039, 25.2544, 60.5621



11.1731, 11.9865, 14.2951



11.7181, 12.4602, 37.7437



0.6762, 0.7861, 1.9710

Previews

White Background



This preview shows how the XYZ color 39.8059, 37.0250, 23.4609 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 39.8059, 37.0250, 23.4609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

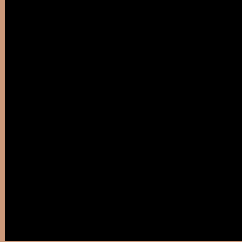
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8059, 37.0250, 23.4609

Background



This preview shows how black text looks on a background with the XYZ color 39.8059, 37.0250, 23.4609.



This preview shows how white text looks on a background with the XYZ color 39.8059, 37.0250,

23.4609.

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

39.8059, 37.0250, 23.4609

Protanopia

34.7854, 37.1972, 25.4251

Deuteranopia

37.7563, 36.9638, 23.2339



Tritanopia

42.8603, 37.0929, 37.7016

Trichromacy



Original Color

39.8059, 37.0250, 23.4609

Protanomaly

36.5222, 37.0614, 24.6307

Deuteranomaly

38.6284, 37.1632, 23.2264

Tritanomaly

41.8268, 37.1534, 32.1609

Monochromacy



Original Color

39.8059, 37.0250, 23.4609

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.7601, 37.2434, 33.6850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8059, 37.0250, 23.4609 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, 153, 122)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 122)  
}
```

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, 153, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 122) }
```

Border

The CSS property to change the border of an element to XYZ 39.8059, 37.0250, 23.4609 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, 153, 122) }
```


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

```
.border{ border-color:rgb(204, 153, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 153, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 122);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8059, 37.0250, 23.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 122) }
```

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

```
.background{ background-color: rgb(204,  
153, 122) }
```

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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