

Converting Colors

XYZ(38.8760, 37.3212, 23.6895)

Have a look what the booklet for
XYZ(38.8760, 37.3212, 23.6895)
contains.

XYZ(38.9545, 37.3242, 23.5635)	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(38.9545, 37.3242,
23.5635)**

Conversions

Conversions Part 1

Format	Color
Hex	C79C7A
RGB	199, 156, 122
RGB Percent	78%, 61%, 48%
CMY	0.2196, 0.3882, 0.5216
CMYK	0.00, 0.22, 0.39, 0.22
HSL	26°, 41%, 63%
HSV	26°, 39%, 78%
XYZ	38.9545, 37.3242, 23.5635
YIQ	164.9810, 36.5420, -1.4580

Conversions

Conversions Part 2

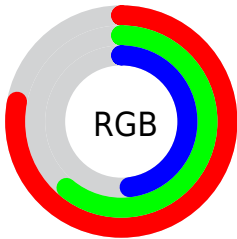
Format	Color
R _Y B	199, 183, 122
Decimal	13081722
CIE Lab	67.52, 11.40, 23.92
CIE LCh	68, 26.502, 64.515
Yxy	37.3242, 0.3902, 0.3738
Android (android.graphics.Color)	4291271802 (0xFFC79C7A)
YUV	164.9810, -21.1896, 29.8347
Hunter-Lab	61.0935, 6.9016, 19.8976

Details

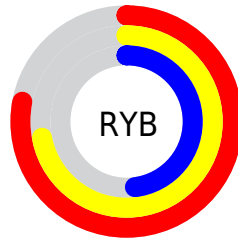
The XYZ color **38.9545, 37.3242, 23.5635** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.7894, 35.1700, 59.1458**, and the grayscale version is **35.8420, 37.7086, 41.0647**.

A 20% lighter version of the original color is **72.2721, 70.9437, 50.4418**, and **17.5819, 16.4238, 8.5468** is the 20% darker color. If you saturate the color by 10%, you get **36.0656, 33.3217, 17.1276**, and if you desaturate by 10%, it is **42.2684, 41.7725, 31.3875**.

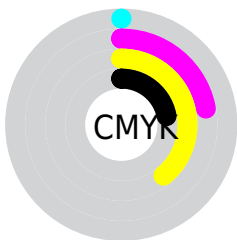
Distribution



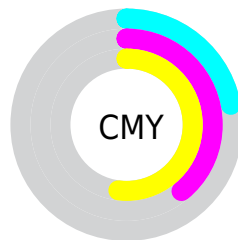
- Red (78%)
- Green (61%)
- Blue (48%)



- Red (78%)
- Yellow (72%)
- Blue (48%)



- Cyan (0%)
- Magenta (22%)
- Yellow (39%)
- Black (22%)



- Cyan (22%)
- Magenta (39%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9545, 37.3242, 23.5635 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 38.9545, 37.3242, 23.5635 by changing the saturation by 10% instead.


 38.9545, 37.3242,
23.5635


 38.9545, 37.3242,
23.5635


332.9075,
334.7120, 283.8213


 26.9049, 25.4586,
14.8009


 72.8633, 71.0711,
50.2518

 17.6380, 16.4191,
8.5347


 95.4532, 93.7212,
69.0147

 10.7885, 9.8212,
4.3463


 122.2873,
120.7350, 91.9480

 5.9911, 5.2806,
1.8172

153.7309,
152.4968, 119.4704

 2.8803, 2.4128,
0.4393

190.1494,
189.3910, 152.0004

 1.0908, 0.8325,
0.0000

231.9081,

 0.0174, 0.0000,

231.8020, 189.9565

0.0000

279.3723,
280.1142, 233.7573

■ 0.0000, 0.0000,
0.0000

■ 38.9545, 37.3242,
23.5635

■ 38.9545, 37.3242,
23.5635

■ 36.0656, 33.3217,
17.1276

■ 42.2684, 41.7725,
31.3875

■ 33.5788, 29.7442,
11.9943

■ 46.0231, 46.6756,
40.6735

■ 31.4730, 26.5773,
8.0720


■ 50.2368, 52.0491,
51.4930


■ 29.7238, 23.8032,
5.2562


■ 54.9259, 57.9060,
63.9120

■ 28.3030, 21.4021,
3.4240


■ 60.1059, 64.2588,
77.9926


 27.1677, 19.3483,
2.3774

 65.7916, 71.1194,
93.7936

 27.0332, 19.1021,
2.2623

 70.9657, 78.0871,
105.9398

 74.2253, 84.6063,
107.0263

 77.3632, 90.8821,
108.0723

Harmonies

Analogous

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



42.3307, 37.3242, 29.2055



38.9545, 37.3242, 23.5635



34.8623, 37.3242, 22.1242

Triad

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



38.9545, 37.3242, 23.5635



28.2243, 37.3242, 42.4318



40.1026, 37.3242, 62.0736

Complementary

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



38.9545, 37.3242, 23.5635



31.7894, 35.1700, 59.1458

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.



36.0959, 37.3242, 67.3631



38.9545, 37.3242, 23.5635



29.4036, 37.3242, 54.7256

Square

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



38.9545, 37.3242, 23.5635



28.8627, 37.3242, 31.7296



32.2101, 37.3242, 64.4460



43.0283, 37.3242, 51.0789

Rectangle

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



38.9545, 37.3242, 23.5635



32.3229, 37.3242, 23.4521



32.2101, 37.3242, 64.4460



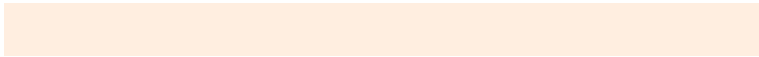
38.8268, 37.3242, 64.6644

Sweetspot

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



38.9554, 37.3260, 23.5643



85.2982, 87.7622, 83.2499



37.3623, 28.8013, 39.4905



18.0461, 18.5158, 17.2749



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.



38.9554, 37.3260, 23.5643



64.1114, 59.6977, 32.0748



46.3282, 52.0715, 26.0218



11.0129, 11.3949, 11.1818



17.4673, 12.4517, 1.4828



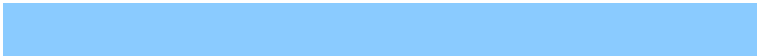
0.8990, 0.7334, 0.0942

Inverse Universe

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



31.7894, 35.1700, 59.1458



49.8845, 55.4033, 102.6725



25.9418, 23.4747, 57.1966



10.5396, 11.2533, 13.5341



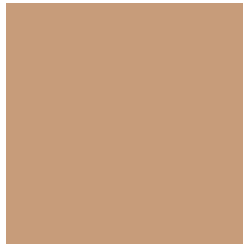
10.3808, 10.1556, 36.1575



0.5629, 0.6235, 1.7358

Previews

White Background



This preview shows how the XYZ color 38.9545, 37.3242, 23.5635 looks on a white background.

Color Contrast Check

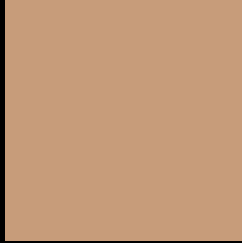
Large Text (above 18pt) WCAG AA × Fail

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 38.9545, 37.3242, 23.5635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

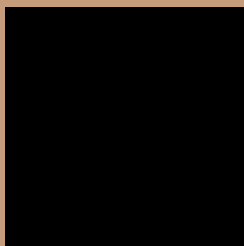
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9545, 37.3242, 23.5635

Background



This preview shows how black text looks on a background with the XYZ color 38.9545, 37.3242, 23.5635.



This preview shows how white text looks on a background with the XYZ color 38.9545, 37.3242,

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

38.9545, 37.3242, 23.5635

Protanopia

34.9459, 37.2874, 25.0940

Deuteranopia

38.2454, 37.4610, 23.6273



Tritanopia

42.2168, 37.4384, 39.1837

Trichromacy



Original Color

38.9545, 37.3242, 23.5635

Protanomaly

36.2137, 37.1608, 24.6661

Deuteranomaly

38.3348, 37.2548, 23.5828

Tritanomaly

41.0148, 37.4456, 32.6698

Monochromacy



Original Color

38.9545, 37.3242, 23.5635

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.4766, 37.3577, 33.7220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9545, 37.3242, 23.5635 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(199, 156, 122)` looks like.

```
.text, #text, p{  
    color:rgb(199, 156, 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(199, 156, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 156, 122) }
```

Border

The CSS property to change the border of an element to XYZ 38.9545, 37.3242, 23.5635 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(199, 156, 122) }
```


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

```
.border{ border-color:rgb(199, 156, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 156, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 156, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 156, 122);  
box-shadow:4px 4px 4px 4px rgb(199, 156,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9545, 37.3242, 23.5635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 156, 122) }
```

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

```
.background{ background-color: rgb(199,  
156, 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](#).

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