

Converting Colors

XYZ(38.7868, 38.1374, 23.6050)

Have a look what the booklet for
XYZ(38.7868, 38.1374, 23.6050)
contains.

XYZ(38.8486, 38.2825, 23.7541)	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(38.8486, 38.2825,
23.7541)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A07A
RGB	196, 160, 122
RGB Percent	77%, 63%, 48%
CMY	0.2314, 0.3725, 0.5216
CMYK	0.00, 0.18, 0.38, 0.23
HSL	31°, 39%, 62%
HSV	31°, 38%, 77%
XYZ	38.8486, 38.2825, 23.7541
YIQ	166.4320, 33.6540, -4.1860

Conversions

Conversions Part 2

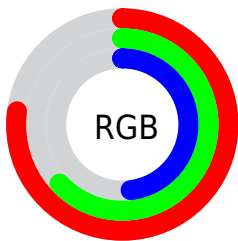
Format	Color
RYB	192, 196, 122
Decimal	12886138
CIELab	68.23, 8.01, 24.82
CIElCh	68, 26.083, 72.113
Yxy	38.2825, 0.3851, 0.3795
Android (android.graphics.Color)	4291076218 (0xFFC4A07A)
YUV	166.4320, -21.9050, 25.9311
Hunter-Lab	61.8729, 3.7987, 20.5485

Details

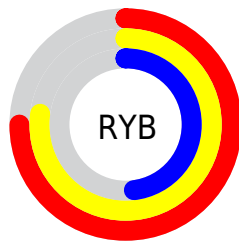
The XYZ color **38.8486, 38.2825, 23.7541** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.2163, 32.5757, 56.9197**, and the grayscale version is **36.5469, 38.4501, 41.8722**.

A 20% lighter version of the original color is **72.9114, 72.7669, 50.7600**, and **17.6557, 17.0810, 8.6697** is the 20% darker color. If you saturate the color by 10%, you get **36.1649, 34.6664, 17.4602**, and if you desaturate by 10%, it is **41.9060, 42.2537, 31.3817**.

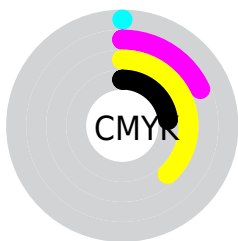
Distribution



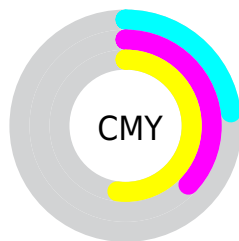
- Red (77%)
- Green (63%)
- Blue (48%)



- Red (75%)
- Yellow (77%)
- Blue (48%)



- Cyan (0%)
- Magenta (18%)
- Yellow (38%)
- Black (23%)





- Cyan (23%)
- Magenta (37%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8486, 38.2825, 23.7541 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 38.8486, 38.2825, 23.7541 by changing the saturation by 10% instead.


 38.8486, 38.2825,
23.7541


 38.8486, 38.2825,
23.7541


332.4646,
338.8303, 284.8213


 26.8222, 26.2020,
14.9408


 72.7025, 72.5409,
50.5674

 17.5756, 16.9748,
8.6317


 95.2607, 95.4877,
69.4045

 10.7436, 10.2165,
4.4082


 122.0602,
122.8253, 92.4200

 5.9607, 5.5428,
1.8519

153.4664,
154.9382, 120.0323

 2.8616, 2.5691,
0.4618

189.8445,
192.2107, 152.6601

 1.0810, 0.9112,
0.0000

231.5601,

 0.0091, 0.0000,

235.0273, 190.7218

0.0000

278.9783,
283.7724, 234.6360

■ 0.0000, 0.0000,
0.0000

■ 38.8486, 38.2825,
23.7541

■ 38.8486, 38.2825,
23.7541

■ 36.1649, 34.6664,
17.4602

■ 41.9060, 42.2537,
31.3817

■ 33.8342, 31.3884,
12.4188

■ 45.3505, 46.5856,
40.4132

■ 31.8383, 28.4380,
8.5432


■ 49.1983, 51.2902,
50.9163


■ 30.1556, 25.8016,
5.7346


■ 53.4636, 56.3774,
62.9540


■ 28.7610, 23.4641,
3.8774


■ 58.1601, 61.8566,
76.5854


 27.6195, 21.4064,
2.8025

 63.3007, 67.7369,
91.8663

 27.3857, 20.9772,
2.6056

 68.2138, 73.7535,
105.2483

 70.8902, 79.1063,
106.1405

 73.7133, 84.7524,
107.0815

Harmonies

Analogous

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



42.5196, 38.2825, 28.3628



38.8486, 38.2825, 23.7541



34.7654, 38.2825, 23.3539

Triad

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



38.8486, 38.2825, 23.7541



29.2446, 38.2825, 46.5760



41.9029, 38.2825, 60.6629

Complementary

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



38.8486, 38.2825, 23.7541



30.2163, 32.5757, 56.9197

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.



38.0570, 38.2825, 67.7251



38.8486, 38.2825, 23.7541



30.8733, 38.2825, 58.6316

Square

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



38.8486, 38.2825, 23.7541



29.4217, 38.2825, 35.1584



34.0304, 38.2825, 66.9191



44.3716, 38.2825, 48.9690

Rectangle

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



38.8486, 38.2825, 23.7541



32.3746, 38.2825, 25.4068



34.0304, 38.2825, 66.9191



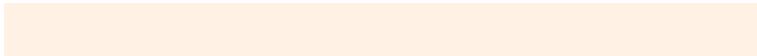
40.7166, 38.2825, 63.7475

Sweetspot

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



38.8496, 38.2843, 23.7549



86.6589, 89.9247, 85.4267



35.9827, 28.1584, 36.3399



18.3412, 18.9946, 17.7169



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.



38.8496, 38.2843, 23.7549



66.4575, 64.0916, 33.7759



46.0178, 52.6208, 26.1443



10.4913, 10.9141, 10.6156



17.6830, 13.6518, 1.7031



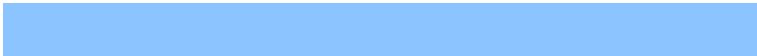
0.8328, 0.7275, 0.0965

Inverse Universe

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



30.2163, 32.5757, 56.9197



48.6626, 52.3276, 102.1432



24.9498, 22.0427, 55.1642



9.9236, 10.5386, 12.7960



9.1369, 8.0302, 34.6250



0.4638, 0.4849, 1.5190

Previews

White Background



This preview shows how the XYZ color 38.8486, 38.2825, 23.7541 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 38.8486, 38.2825, 23.7541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

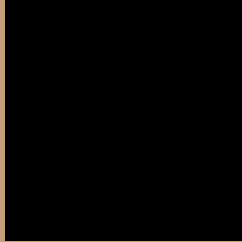
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8486, 38.2825, 23.7541

Background



This preview shows how black text looks on a background with the XYZ color 38.8486, 38.2825, 23.7541.



This preview shows how white text looks on a background with the XYZ color 38.8486, 38.2825,

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

38.8486, 38.2825, 23.7541

Protanopia

35.6980, 38.2181, 24.8974

Deuteranopia

39.1096, 38.4171, 23.7663



Tritanopia

42.5259, 38.2819, 41.2242

Trichromacy



Original Color

38.8486, 38.2825, 23.7541

Protanomaly

36.9211, 38.3204, 24.5194

Deuteranomaly

39.1096, 38.4171, 23.7663

Tritanomaly

40.9467, 38.1211, 34.0541

Monochromacy



Original Color

38.8486, 38.2825, 23.7541

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.9119, 38.1000, 34.2627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8486, 38.2825, 23.7541 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(196, 160, 122)` looks like.

```
.text, #text, p{  
    color:rgb(196, 160, 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(196, 160, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 160, 122) }
```

Border

The CSS property to change the border of an element to XYZ 38.8486, 38.2825, 23.7541 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(196, 160, 122) }
```


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

```
.border{ border-color:rgb(196, 160, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 160, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 160, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 160, 122);  
box-shadow:4px 4px 4px 4px rgb(196, 160,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8486, 38.2825, 23.7541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 160, 122) }
```

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

```
.background{ background-color: rgb(196,  
160, 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