

Converting Colors

XYZ(40.2348, 40.8638, 23.5362)

Have a look what the booklet for
XYZ(40.2348, 40.8638, 23.5362)
contains.

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Color

**XYZ(40.2348, 40.8638,
23.5362)**

Conversions

Conversions Part 1

Format	Color
Hex	C5A778
RGB	197, 167, 120
RGB Percent	77%, 65%, 47%
CMY	0.2275, 0.3451, 0.5294
CMYK	0.00, 0.15, 0.39, 0.23
HSL	37°, 40%, 62%
HSV	37°, 39%, 77%
XYZ	40.2348, 40.8638, 23.5362
YIQ	170.6120, 32.9670, -8.2570

Conversions

Conversions Part 2

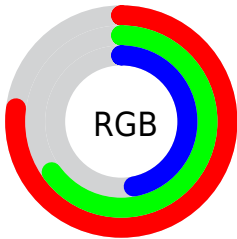
Format	Color
RYB	169, 197, 120
Decimal	12953464
CIELab	70.08, 4.39, 28.38
CIELCh	70, 28.722, 81.208
Yxy	40.8638, 0.3845, 0.3905
Android (android.graphics.Color)	4291143544 (0xFFC5A778)
YUV	170.6120, -24.9517, 23.1423
Hunter-Lab	63.9248, 0.4810, 22.9176

Details

The XYZ color **40.2348, 40.8638, 23.5362** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.7297, 29.8359, 57.0679**, and the grayscale version is **38.6245, 40.6359, 44.2525**.

A 20% lighter version of the original color is **74.9041, 76.5197, 50.3571**, and **18.4234, 18.4672, 8.5547** is the 20% darker color. If you saturate the color by 10%, you get **37.7959, 37.7065, 17.4193**, and if you desaturate by 10%, it is **43.0052, 44.2902, 30.9780**.

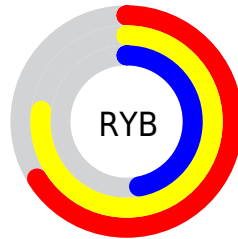
Distribution



Red (77%)

Green (65%)

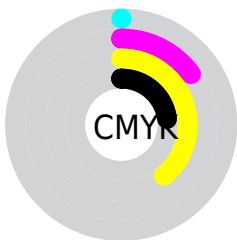
Blue (47%)



Red (66%)

Yellow (77%)

Blue (47%)

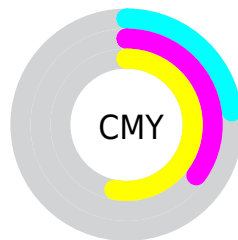


Cyan (0%)

Magenta (15%)

Yellow (39%)

Black (23%)



Cyan (23%)

Magenta (35%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2348, 40.8638, 23.5362 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 40.2348, 40.8638, 23.5362 by changing the saturation by 10% instead.

■ 40.2348, 40.8638,
23.5362

■ 40.2348, 40.8638,
23.5362

338.2297,
349.7510, 283.6779

■ 27.9067, 28.2127,
14.7809

■ 74.8030, 76.4771,
50.2066

■ 18.3954, 18.4860,
8.5209

■ 97.7738, 100.2081,
68.9588

■ 11.3357, 11.2995,
4.3375

■ 125.0229,
128.4011, 91.8803

■ 6.3620, 6.2687,
1.8123

156.9155,
161.4406, 119.3898

■ 3.1092, 3.0091,
0.4360

193.8172,
199.7109, 151.9058

■ 1.2118, 1.1365,
0.0000

236.0932,

■ 0.1156, 0.0089,

243.5965, 189.8468

0.0000

284.1089,
293.4818, 233.6313

■ 0.0000, 0.0000,
0.0000

■ 40.2348, 40.8638,
23.5362

■ 40.2348, 40.8638,
23.5362

■ 37.7959, 37.7065,
17.4193

■ 43.0052, 44.2902,
30.9780

■ 35.6688, 34.8037,
12.5443

■ 46.1192, 47.9883,
39.8158

■ 33.8362, 32.1474,
8.8227

■ 49.5923, 51.9679,
50.1187

■ 32.2774, 29.7272,
6.1530

■ 53.4376, 56.2365,
61.9504

■ 30.9682, 27.5307,
4.4159

■ 57.6679, 60.8012,
75.3707

■ 29.8683, 25.5393,
3.4071

■ 62.2950, 65.6688,
90.4363

■ 29.7735, 25.3655,
3.3268

■ 66.8596, 70.6576,
104.7221

■ 68.9290, 74.7965,
105.4120

■ 71.0922, 79.1229,
106.1330

Harmonies

Analogous

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



44.7692, 40.8638, 27.2437



40.2348, 40.8638, 23.5362



35.6673, 40.8638, 24.4948

Triad

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



40.2348, 40.8638, 23.5362



31.0231, 40.8638, 54.5083



46.3029, 40.8638, 62.7188

Complementary

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



40.2348, 40.8638, 23.5362



28.7297, 29.8359, 57.0679

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.



42.1951, 40.8638, 73.1827



40.2348, 40.8638, 23.5362



33.4586, 40.8638, 67.8179

Square

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



40.2348, 40.8638, 23.5362



30.5905, 40.8638, 40.6611



37.4775, 40.8638, 75.2162



48.4530, 40.8638, 48.5599

Rectangle

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



40.2348, 40.8638, 23.5362



33.1954, 40.8638, 27.7518



37.4775, 40.8638, 75.2162



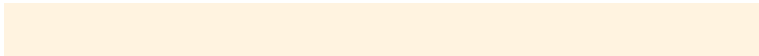
45.0903, 40.8638, 66.8946

Sweetspot

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



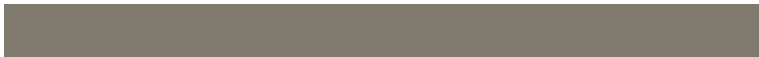
40.2358, 40.8657, 23.5370



86.8233, 90.8125, 83.7582



35.3123, 27.5315, 32.6464



18.4049, 19.2335, 17.3945



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.



40.2358, 40.8657, 23.5370



68.2559, 68.2777, 32.5585



44.4172, 52.1457, 25.4939



11.1636, 11.6964, 11.2320



19.6666, 16.8503, 2.2159



1.0001, 0.9356, 0.1279

Inverse Universe

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



28.7297, 29.8359, 57.0679



44.7605, 45.7728, 101.0836



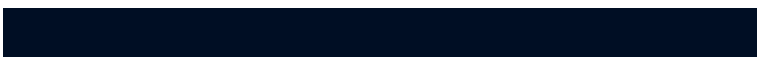
25.6519, 22.0306, 55.7235



10.3899, 10.9538, 13.4842



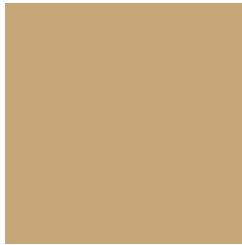
8.4383, 6.2705, 35.5099



0.4697, 0.4371, 1.7048

Previews

White Background



This preview shows how the XYZ color 40.2348, 40.8638, 23.5362 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 40.2348, 40.8638, 23.5362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

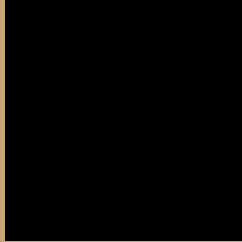
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2348, 40.8638, 23.5362

Background



This preview shows how black text looks on a background with the XYZ color 40.2348, 40.8638, 23.5362.



This preview shows how white text looks on a background with the XYZ color 40.2348, 40.8638,

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

40.2348, 40.8638, 23.5362

Protanopia

38.0833, 40.8452, 24.2891

Deuteranopia

41.6285, 40.7688, 23.7643



Tritanopia

44.4708, 40.7153, 45.0501

Trichromacy



Original Color

40.2348, 40.8638, 23.5362

Protanomaly

38.8122, 40.9487, 23.9474

Deuteranomaly

40.9937, 40.7083, 23.7860

Tritanomaly

42.7493, 40.8068, 36.1952

Monochromacy



Original Color

40.2348, 40.8638, 23.5362

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.8646, 40.7197, 35.5171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2348, 40.8638, 23.5362 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(197, 167, 120)` looks like.

```
.text, #text, p{  
    color:rgb(197, 167, 120)  
}
```

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(197, 167, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 167, 120) }
```

Border

The CSS property to change the border of an element to XYZ 40.2348, 40.8638, 23.5362 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(197, 167, 120) }
```


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

```
.border{ border-color:rgb(197, 167, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 167, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 167, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 167, 120);  
box-shadow:4px 4px 4px 4px rgb(197, 167,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2348, 40.8638, 23.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 167, 120) }
```

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

```
.background{ background-color: rgb(197,  
167, 120) }
```

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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