

Converting Colors

XYZ(52.3120, 49.8587, 40.0015)

Have a look what the booklet for
XYZ(52.3120, 49.8587, 40.0015)
contains.

XYZ(52.3898, 49.9085, 40.1298)	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(52.3898, 49.9085,
40.1298)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB2A0
RGB	222, 178, 160
RGB Percent	87%, 70%, 63%
CMY	0.1294, 0.3019, 0.3725
CMYK	0.00, 0.20, 0.28, 0.13
HSL	17°, 48%, 75%
HSV	17°, 28%, 87%
XYZ	52.3898, 49.9085, 40.1298
YIQ	189.1040, 32.0020, 3.7300

Conversions

Conversions Part 2

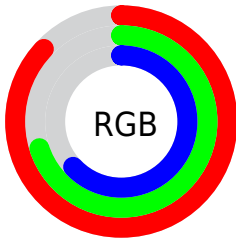
Format	Color
R_{YB}	222, 185, 160
Decimal	14594720
CIE _{Lab}	76.01, 13.35, 15.25
CIE _{LCh}	76, 20.267, 48.798
Yxy	49.9085, 0.3678, 0.3504
Android (android.graphics.Color)	4292784800 (0xFFDEB2A0)
YUV	189.1040, -14.3483, 28.8498
Hunter-Lab	70.6459, 8.7421, 15.7730

Details

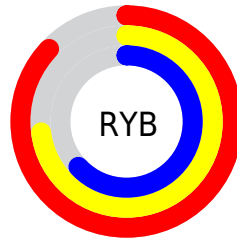
The XYZ color **52.3898, 49.9085, 40.1298** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.2743, 55.9316, 77.3063**, and the grayscale version is **48.4971, 51.0227, 55.5638**.

A 20% lighter version of the original color is **82.9286, 85.0119, 76.3281**, and **25.7663, 23.8569, 17.4342** is the 20% darker color. If you saturate the color by 10%, you get **47.6622, 43.2886, 29.8129**, and if you desaturate by 10%, it is **57.8268, 57.3917, 52.3951**.

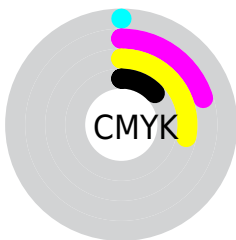
Distribution



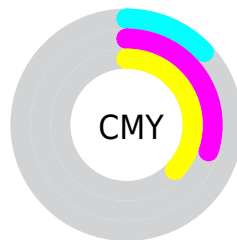
- Red (87%)
- Green (70%)
- Blue (63%)



- Red (87%)
- Yellow (73%)
- Blue (63%)



- Cyan (0%)
- Magenta (20%)
- Yellow (28%)
- Black (13%)





- Cyan (13%)
- Magenta (30%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3898, 49.9085, 40.1298 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 52.3898, 49.9085, 40.1298 by changing the saturation by 10% instead.


 52.3898, 49.9085,
40.1298


 52.3898, 49.9085,
40.1298


386.2389,
386.3080, 362.2387

 37.5414, 35.3407,
27.3252


 92.8767, 90.0393,
76.6004

 25.8025, 23.9254,
17.5830

 119.2459,
116.3711, 101.1034

 16.8079, 15.2783,
10.4847


150.1860,
147.3930, 130.3431

 10.1921, 9.0150,
5.6117

186.0625,
183.4894, 164.7378

 5.5897, 4.7509,
2.5455

227.2407,
225.0447, 204.7062

 2.6355, 2.1019,
0.8641

274.0859,

 0.9641, 0.6657,

272.4433, 250.6668

0.0000

326.9635,
326.0696, 303.0381

■ 0.0000, 0.0000,
0.0000

■ 52.3898, 49.9085,
40.1298

■ 52.3898, 49.9085,
40.1298

■ 47.6622, 43.2886,
29.8129

■ 57.8268, 57.3917,
52.3951

■ 43.6096, 37.4934,
21.3402

■ 63.9980, 65.7612,
66.6997

■ 40.2001, 32.4915,
14.6021

■ 70.9315, 75.0478,
83.1322

■ 37.3980, 28.2470,
9.4763

■ 78.6531, 85.2785,
101.7753

■ 35.1633, 24.7205,
5.8241

■ 83.9343, 94.2696,
108.3798

■ 33.4504, 21.8690,
3.4830

■ 32.2005, 19.6417,
2.2262

■ 31.9842, 19.2494,
2.0298

Harmonies

Analogous

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



54.6591, 49.9085, 47.9031



52.3898, 49.9085, 40.1298



48.8633, 49.9085, 36.3651

Triad

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



52.3898, 49.9085, 40.1298



40.6546, 49.9085, 50.3956



49.8187, 49.9085, 76.5382

Complementary

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



52.3898, 49.9085, 40.1298



49.2743, 55.9316, 77.3063

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.



46.0378, 49.9085, 77.4391



52.3898, 49.9085, 40.1298



40.8800, 49.9085, 61.3332

Square

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



52.3898, 49.9085, 40.1298



42.1727, 49.9085, 41.7451



42.8057, 49.9085, 71.5663



53.1211, 49.9085, 69.2475

Rectangle

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



52.3898, 49.9085, 40.1298



46.3329, 49.9085, 36.2492



42.8057, 49.9085, 71.5663



48.5576, 49.9085, 77.6313

Sweetspot

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



52.3911, 49.9108, 40.1308



87.4922, 89.8643, 91.0288



53.6466, 45.0523, 63.2685



18.4391, 18.8463, 18.8102



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.



52.3911, 49.9108, 40.1308



67.5115, 62.4497, 45.6882



59.1640, 63.4566, 42.3885



14.0299, 14.3457, 14.3363



19.0812, 11.6003, 1.2334



1.3982, 0.9553, 0.1107

Inverse Universe

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



49.2743, 55.9316, 77.3063



62.5099, 72.0728, 105.2246



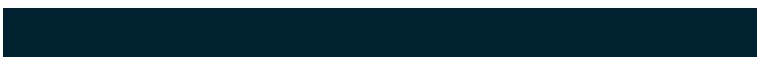
42.7094, 42.8018, 75.1180



13.7628, 14.8647, 17.5315



15.1468, 17.7631, 43.6787



1.1258, 1.3831, 3.0529

Previews

White Background



This preview shows how the XYZ color 52.3898, 49.9085, 40.1298 looks on a white background.

Color Contrast Check

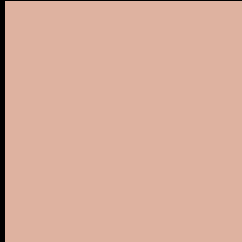
Large Text (above 18pt) WCAG AA × Fail

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 52.3898, 49.9085, 40.1298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

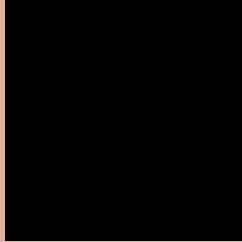
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3898, 49.9085, 40.1298

Background



This preview shows how black text looks on a background with the XYZ color 52.3898, 49.9085, 40.1298.



This preview shows how white text looks on a background with the XYZ color 52.3898, 49.9085,

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

52.3898, 49.9085, 40.1298

Protanopia

47.3268, 49.9930, 42.7525

Deuteranopia

51.1879, 50.1847, 40.2464



Tritanopia

55.1570, 49.8675, 53.7320

Trichromacy



Original Color

52.3898, 49.9085, 40.1298

Protanomaly

48.9282, 49.9045, 41.7041

Deuteranomaly

51.5799, 50.0860, 40.2067

Tritanomaly

54.0063, 49.6816, 48.3380

Monochromacy



Original Color

52.3898, 49.9085, 40.1298

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.4722, 50.3298, 49.2266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3898, 49.9085, 40.1298 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(222, 178, 160)` looks like.

```
.text, #text, p{  
    color:rgb(222, 178, 160)  
}
```

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(222, 178, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 178, 160) }
```

Border

The CSS property to change the border of an element to XYZ 52.3898, 49.9085, 40.1298 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(222, 178, 160) }
```


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

```
.border{ border-color:rgb(222, 178, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 178, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 178, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 178, 160);  
box-shadow:4px 4px 4px 4px rgb(222, 178,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3898, 49.9085, 40.1298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 178, 160) }
```

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

```
.background{ background-color: rgb(222,  
178, 160) }
```

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