

Converting Colors

XYZ(51.8657, 52.0339, 40.0694)

Have a look what the booklet for
XYZ(51.8657, 52.0339, 40.0694)
contains.

XYZ(51.8412, 52.0681, 40.1187)	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(51.8412, 52.0681,
40.1187)**

Conversions

Conversions Part 1

Format	Color
Hex	D7BA9F
RGB	215, 186, 159
RGB Percent	84%, 73%, 62%
CMY	0.1569, 0.2706, 0.3765
CMYK	0.00, 0.13, 0.26, 0.16
HSL	29°, 41%, 73%
HSV	29°, 26%, 84%
XYZ	51.8412, 52.0681, 40.1187
YIQ	191.5930, 25.9510, -2.2490

Conversions

Conversions Part 2

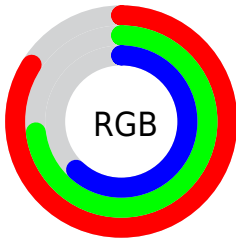
Format	Color
R _Y B	215, 211, 159
Decimal	14138015
CIE Lab	77.32, 6.27, 17.52
CIE LCh	77, 18.608, 70.295
Yxy	52.0681, 0.3599, 0.3615
Android (android.graphics.Color)	4292328095 (0xFFD7BA9F)
YUV	191.5930, -16.0683, 20.5279
Hunter-Lab	72.1582, 1.9642, 17.5466

Details

The XYZ color **51.8412, 52.0681, 40.1187** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.5465, 48.2422, 71.2539**, and the grayscale version is **49.9469, 52.5480, 57.2248**.

A 20% lighter version of the original color is **85.1297, 89.6193, 76.4298**, and **25.5386, 25.3102, 17.4492** is the 20% darker color. If you saturate the color by 10%, you get **47.8811, 46.8783, 30.3808**, and if you desaturate by 10%, it is **56.3113, 57.7579, 51.6288**.

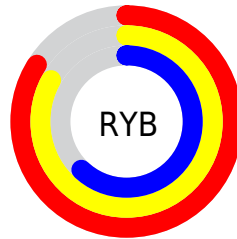
Distribution



Red (84%)

Green (73%)

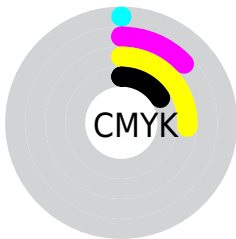
Blue (62%)



Red (84%)

Yellow (83%)

Blue (62%)

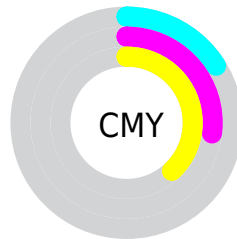


Cyan (0%)

Magenta (13%)

Yellow (26%)

Black (16%)



Cyan (16%)


Magenta (27%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8412, 52.0681, 40.1187 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 51.8412, 52.0681, 40.1187 by changing the saturation by 10% instead.


 51.8412, 52.0681,
40.1187


 51.8412, 52.0681,
40.1187


384.1573,
394.6995, 362.1906

 37.1023, 37.0594,
27.3166

 92.0726, 93.2317,
76.5833

 25.4607, 25.2535,
17.5766

 118.2958,
120.1553, 101.0829

 16.5512, 16.2660,
10.4802


149.0778,
151.8193, 130.3187

 10.0083, 9.7126,
5.6087

184.7840,
188.6081, 164.7094

 5.4668, 5.2088,
2.5437

225.7796,
230.9062, 204.6733

 2.5612, 2.3703,
0.8632

272.4302,

 0.9262, 0.8105,

279.0978, 250.6291

0.0000

325.1009,
333.5674, 302.9954

■ 0.0000, 0.0000,
0.0000

■ 51.8412, 52.0681,
40.1187

■ 51.8412, 52.0681,
40.1187

■ 47.8811, 46.8783,
30.3808

■ 56.3113, 57.7579,
51.6288

■ 44.4060, 42.1665,
22.3219

■ 61.3069, 63.9549,
64.9914

■ 41.3947, 37.9190,
15.8454

■ 66.8479, 70.6749,
80.2855

■ 38.8224, 34.1189,
10.8430

■ 72.9517, 77.9311,
97.5847

■ 36.6616, 30.7477,
7.1929

■ 77.7272, 84.9728,
106.9125

■ 34.8809, 27.7852,
4.7530

■ 81.1360, 91.7904,
108.0487

■ 33.4420, 25.2078,
3.3471

■ 81.8344, 93.1871,
108.2815

■ 32.9424, 24.2832,
2.9509

Harmonies

Analogous

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



54.9145, 52.0681, 44.9004



51.8412, 52.0681, 40.1187



48.2719, 52.0681, 39.4592

Triad

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



51.8412, 52.0681, 40.1187



43.0347, 52.0681, 60.2817



54.0651, 52.0681, 73.0578

Complementary

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



51.8412, 52.0681, 40.1187



44.5465, 48.2422, 71.2539

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.



50.7268, 52.0681, 78.3316



51.8412, 52.0681, 40.1187



44.4334, 52.0681, 70.3891

Square

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



51.8412, 52.0681, 40.1187



43.3009, 52.0681, 50.3165



47.2094, 52.0681, 77.3001



56.2406, 52.0681, 63.5873

Rectangle

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



51.8412, 52.0681, 40.1187



46.1048, 52.0681, 41.3494



47.2094, 52.0681, 77.3001



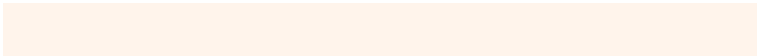
53.0352, 52.0681, 75.4289

Sweetspot

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



51.8426, 52.0705, 40.1198



88.6601, 92.2000, 91.4181



49.5937, 42.9122, 53.7377



18.7322, 19.4326, 18.9079



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.



51.8426, 52.0705, 40.1198



73.1358, 72.5212, 51.1917



58.1103, 64.6060, 42.2090



12.9125, 13.3992, 13.0664



19.8086, 14.7344, 1.8000



1.2774, 1.0540, 0.1361

Inverse Universe

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



44.5465, 48.2422, 71.2539



60.7251, 66.0081, 104.1480



39.2860, 37.7211, 69.5004



12.2691, 13.0617, 15.8120



10.8641, 9.9900, 39.8088



0.7380, 0.7680, 2.4287

Previews

White Background



This preview shows how the XYZ color 51.8412, 52.0681, 40.1187 looks on a white background.

Color Contrast Check

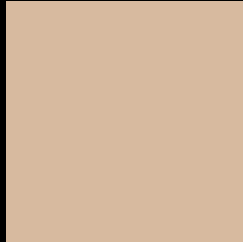
Large Text (above 18pt) WCAG AA × Fail

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 51.8412, 52.0681, 40.1187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

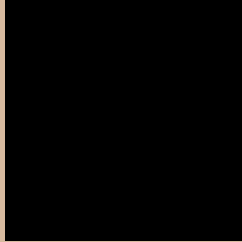
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8412, 52.0681, 40.1187

Background



This preview shows how black text looks on a background with the XYZ color 51.8412, 52.0681, 40.1187.



This preview shows how white text looks on a background with the XYZ color 51.8412, 52.0681,

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

51.8412, 52.0681, 40.1187

Protanopia

49.1512, 52.2523, 41.2134

Deuteranopia

53.2173, 52.1563, 40.0632



Tritanopia

55.5876, 52.0479, 58.7462

Trichromacy



Original Color

51.8412, 52.0681, 40.1187

Protanomaly

49.9964, 52.0551, 40.6702

Deuteranomaly

52.8204, 52.2612, 40.1044

Tritanomaly

54.2904, 52.1498, 51.4605

Monochromacy



Original Color

51.8412, 52.0681, 40.1187

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.4711, 52.4016, 50.6344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8412, 52.0681, 40.1187 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(215, 186, 159)` looks like.

```
.text, #text, p{  
    color:rgb(215, 186, 159)  
}
```

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(215, 186, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 186, 159) }
```

Border

The CSS property to change the border of an element to XYZ 51.8412, 52.0681, 40.1187 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(215, 186, 159) }
```


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

```
.border{ border-color:rgb(215, 186, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 186, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 186, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 186, 159);  
box-shadow:4px 4px 4px 4px rgb(215, 186,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8412, 52.0681, 40.1187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 186, 159) }
```

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

```
.background{ background-color: rgb(215,  
186, 159) }
```

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