

Converting Colors

XYZ(40.2498, 37.1346, 21.2496)

Have a look what the booklet for
XYZ(40.2498, 37.1346, 21.2496)
contains.

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Color

**XYZ(40.3352, 37.1042,
21.2556)**

Conversions

Conversions Part 1

Format	Color
Hex	D09873
RGB	208, 152, 115
RGB Percent	82%, 60%, 45%
CMY	0.1843, 0.4039, 0.5490
CMYK	0.00, 0.27, 0.45, 0.18
HSL	24°, 50%, 63%
HSV	24°, 45%, 82%
XYZ	40.3352, 37.1042, 21.2556
YIQ	164.5260, 45.2530, 0.3650

Conversions

Conversions Part 2

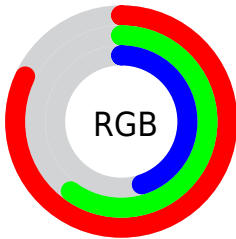
Format	Color
R_{YB}	208, 176, 115
Decimal	13670515
CIE _{Lab}	67.36, 16.45, 27.70
CIE _{LCh}	67, 32.212, 59.293
Yxy	37.1042, 0.4087, 0.3759
Android (android.graphics.Color)	4291860595 (0xFFD09873)
YUV	164.5260, -24.4163, 38.1267
Hunter-Lab	60.9132, 11.6001, 21.9501

Details

The XYZ color **40.3352, 37.1042, 21.2556** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.0177, 37.3232, 65.1383**, and the grayscale version is **35.6360, 37.4919, 40.8287**.

A 20% lighter version of the original color is **70.2864, 68.1926, 46.0172**, and **18.3995, 16.2800, 7.3269** is the 20% darker color. If you saturate the color by 10%, you get **37.3444, 32.8268, 15.0051**, and if you desaturate by 10%, it is **43.8126, 41.9226, 29.0013**.

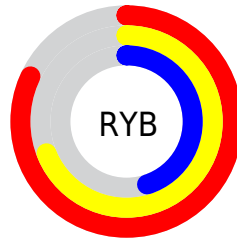
Distribution



Red (82%)

Green (60%)

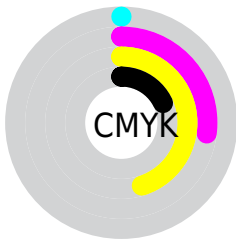
Blue (45%)



Red (82%)

Yellow (69%)

Blue (45%)

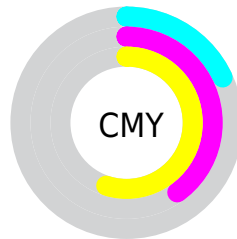


Cyan (0%)

Magenta (27%)

Yellow (45%)

Black (18%)



Cyan (18%)

Magenta (40%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3352, 37.1042, 21.2556 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 40.3352, 37.1042, 21.2556 by changing the saturation by 10% instead.

40.3352, 37.1042,
21.2556

40.3352, 37.1042,
21.2556

338.6446,
333.7614, 271.4593

27.9854, 25.2882,
13.1179

74.9548, 70.7330,
46.3988

18.4550, 16.2919,
7.3781

97.9552, 93.3146,
64.2415

11.3788, 9.7309,
3.6177

125.2366,
120.2535, 86.1561

6.3914, 5.2209,
1.4180

157.1642,
151.9341, 112.5614

3.1274, 2.3775,
0.1557

194.1035,
188.7408, 143.8758

1.2215, 0.8143,
0.0000

236.4197,

0.1232, 0.0000,

231.0580, 180.5179

0.0000

284.4783,
279.2701, 222.9062

■ 0.0000, 0.0000,
0.0000

■ 40.3352, 37.1042,
21.2556

■ 40.3352, 37.1042,
21.2556

■ 37.3444, 32.8268,
15.0051

■ 43.8126, 41.9226,
29.0013

■ 34.8123, 29.0642,
10.1485

■ 47.7968, 47.2958,
38.3300

■ 32.7123, 25.7962,
6.5753


■ 52.3102, 53.2440,
49.3251


■ 31.0130, 22.9983,
4.1570

■ 57.3727, 59.7845,
62.0637

■ 29.6775, 20.6434,
2.7371


■ 63.0035, 66.9340,
76.6177

 29.0876, 19.5602,
2.2424

 69.2205, 74.7083,
93.0553

 75.1258, 82.7567,
106.6218

 78.9340, 90.3732,
107.8912

 79.8224, 92.1499,
108.1874

Harmonies

Analogous

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



44.2025, 37.1042, 28.5131



40.3352, 37.1042, 21.2556



35.3836, 37.1042, 18.8699

Triad

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



40.3352, 37.1042, 21.2556



26.6067, 37.1042, 40.0660



40.1139, 37.1042, 69.0246

Complementary

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



40.3352, 37.1042, 21.2556



33.0177, 37.3232, 65.1383

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.



35.1495, 37.1042, 74.1059



40.3352, 37.1042, 21.2556



27.6240, 37.1042, 55.2024

Square

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



40.3352, 37.1042, 21.2556



27.7235, 37.1042, 28.0555



30.6412, 37.1042, 68.5467



44.0666, 37.1042, 55.9202

Rectangle

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



40.3352, 37.1042, 21.2556



32.2244, 37.1042, 19.8020



30.6412, 37.1042, 68.5467



38.4941, 37.1042, 71.8463

Sweetspot

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



40.3361, 37.1060, 21.2563



84.1246, 85.9657, 81.1611



39.6234, 28.6637, 42.6507



17.6417, 17.9252, 16.4676



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.



40.3361, 37.1060, 21.2563



59.2384, 52.0911, 23.8546



49.1073, 54.6484, 24.1801



12.1892, 12.5691, 12.3957



18.2176, 12.3681, 1.4271



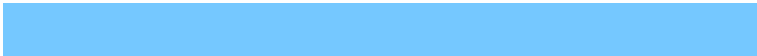
1.0953, 0.8449, 0.1054

Inverse Universe

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



33.0177, 37.3232, 65.1383



46.1292, 52.4282, 102.2961



25.8974, 23.0827, 62.7649



11.7472, 12.5847, 15.0536



11.7820, 12.2106, 38.9284



0.7352, 0.8355, 2.2021

Previews

White Background



This preview shows how the XYZ color 40.3352, 37.1042, 21.2556 looks on a white background.

Color Contrast Check

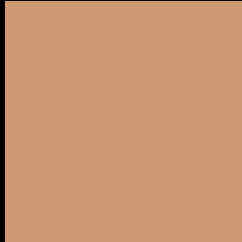
Large Text (above 18pt) WCAG AA × Fail

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 40.3352, 37.1042, 21.2556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

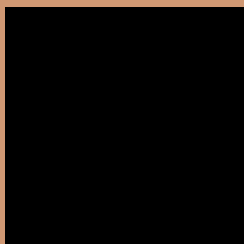
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3352, 37.1042, 21.2556

Background



This preview shows how black text looks on a background with the XYZ color 40.3352, 37.1042, 21.2556.



This preview shows how white text looks on a background with the XYZ color 40.3352, 37.1042,

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

40.3352, 37.1042, 21.2556

Protanopia

34.7971, 37.2541, 23.1261

Deuteranopia

37.8592, 37.0646, 21.0784



Tritanopia

43.5161, 36.9891, 36.7444

Trichromacy



Original Color

40.3352, 37.1042, 21.2556

Protanomaly

36.5799, 37.1410, 22.3805

Deuteranomaly

38.5780, 36.9370, 21.0159

Tritanomaly

42.3364, 36.9817, 30.4980

Monochromacy



Original Color

40.3352, 37.1042, 21.2556

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.8933, 37.0720, 32.8149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3352, 37.1042, 21.2556 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(208, 152, 115)` looks like.

```
.text, #text, p{  
    color:rgb(208, 152, 115)  
}
```

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(208, 152, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 152, 115) }
```

Border

The CSS property to change the border of an element to XYZ 40.3352, 37.1042, 21.2556 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(208, 152, 115) }
```


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

```
.border{ border-color:rgb(208, 152, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 152, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 152, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 152, 115);  
box-shadow:4px 4px 4px 4px rgb(208, 152,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3352, 37.1042, 21.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 152, 115) }
```

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

```
.background{ background-color: rgb(208,  
152, 115) }
```

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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