

Converting Colors

XYZ(40.9896, 36.6321, 12.0806)

Have a look what the booklet for
XYZ(40.9896, 36.6321, 12.0806)
contains.

XYZ(41.1785, 36.7899, 12.1386)	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(41.1785, 36.7899,
12.1386)**

Conversions

Conversions Part 1

Format	Color
Hex	DB944E
RGB	219, 148, 78
RGB Percent	86%, 58%, 31%
CMY	0.1412, 0.4196, 0.6941
CMYK	0.00, 0.32, 0.64, 0.14
HSL	30°, 66%, 58%
HSV	30°, 64%, 86%
XYZ	41.1785, 36.7899, 12.1386
YIQ	161.2490, 64.7860, -6.7180

Conversions

Conversions Part 2

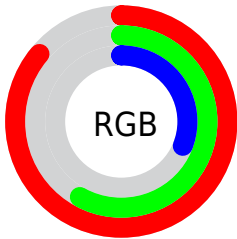
Format	Color
R _Y B	219, 217, 78
Decimal	14390350
CIE Lab	67.12, 20.07, 47.05
CIE LCh	67, 51.152, 66.903
Yxy	36.7899, 0.4570, 0.4083
Android (android.graphics.Color)	4292580430 (0xFFDB944E)
YUV	161.2490, -41.0418, 50.6476
Hunter-Lab	60.6547, 15.0381, 30.5928

Details

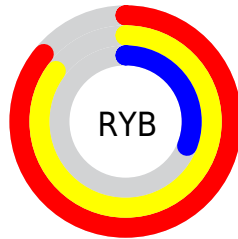
The XYZ color **41.1785, 36.7899, 12.1386** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **26.6750, 28.2279, 71.0602**, and the grayscale version is **34.1569, 35.9357, 39.1340**.

A 20% lighter version of the original color is **66.3230, 65.0860, 29.8361**, and **18.9815, 16.1068, 3.2071** is the 20% darker color. If you saturate the color by 10%, you get **38.8723, 33.2319, 8.1201**, and if you desaturate by 10%, it is **43.9126, 40.7858, 17.5898**.

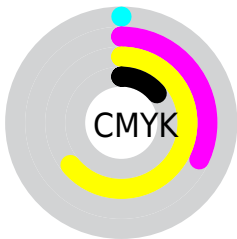
Distribution



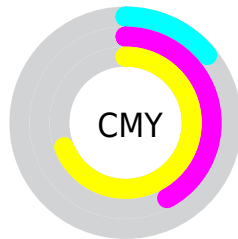
- Red (86%)
- Green (58%)
- Blue (31%)



- Red (86%)
- Yellow (85%)
- Blue (31%)



- Cyan (0%)
- Magenta (32%)
- Yellow (64%)
- Black (14%)



- Cyan (14%)
- Magenta (42%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1785, 36.7899, 12.1386 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 41.1785, 36.7899, 12.1386 by changing the saturation by 10% instead.

41.1785, 36.7899,
12.1386

41.1785, 36.7899,
12.1386

342.1160,
332.4000, 216.3311

28.6469, 25.0449,
6.7145

76.2278, 70.2495,
30.4155

18.9568, 16.1105,
3.2084

99.4762, 92.7329,
44.1052

11.7429, 9.6024,
1.2020

127.0275,
119.5645, 61.3873

6.6398, 5.1361,
0.0000

159.2471,
151.1288, 82.6802

3.2822, 2.3274,
0.0000

196.5004,
187.8101, 108.4025

1.3047, 0.7881,
0.0000

239.1528,

0.1867, 0.0000,

229.9928, 138.9728

0.0000

287.5695,
278.0613, 174.8094

■ 0.0000, 0.0000,
0.0000

■ 41.1785, 36.7899,
12.1386

■ 41.1785, 36.7899,
12.1386

■ 38.8723, 33.2319,
8.1201

■ 43.9126, 40.7858,
17.5898

■ 36.9597, 30.0861,
5.3879

■ 47.0998, 45.2321,
24.5964

■ 35.4037, 27.3317,
3.7672

■ 50.7661, 50.1475,
33.2702

■ 34.6533, 25.9399,
3.1805

■ 54.9343, 55.5477,
43.7118

■ 59.6259, 61.4476,
56.0140

■ 64.8607, 67.8612,
70.2630

■ 70.6575, 74.8020,
86.5394

■ 77.0342, 82.2830,
104.9194

■ 80.5999, 88.9532,
107.5294

Harmonies

Analogous

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



48.3640, 36.7899, 19.4275



41.1785, 36.7899, 12.1386



33.1984, 36.7899, 10.7816

Triad

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



41.1785, 36.7899, 12.1386



22.1067, 36.7899, 45.4374



44.7541, 36.7899, 85.0805

Complementary

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



41.1785, 36.7899, 12.1386



26.6750, 28.2279, 71.0602

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.



36.7988, 36.7899, 99.5131



41.1785, 36.7899, 12.1386



24.3062, 36.7899, 71.7288

Square

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



41.1785, 36.7899, 12.1386



22.9209, 36.7899, 25.4770



29.4151, 36.7899, 93.8859



50.6331, 36.7899, 59.3513

Rectangle

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



41.1785, 36.7899, 12.1386



28.6191, 36.7899, 12.6898



29.4151, 36.7899, 93.8859



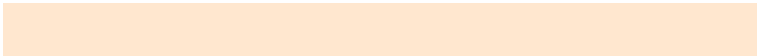
42.1919, 36.7899, 91.7779

Sweetspot

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



41.1794, 36.7918, 12.1393



80.9130, 82.6739, 70.4365



37.5117, 22.7386, 31.6266



16.9155, 17.1868, 14.0245



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.



41.1794, 36.7918, 12.1393



53.9316, 45.3946, 10.0098



55.3112, 65.0554, 16.8499



13.5873, 14.1140, 13.7337



20.6572, 15.6000, 1.9224



1.4244, 1.1830, 0.1533

Inverse Universe

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



26.6750, 28.2279, 71.0602



31.9772, 32.4276, 99.1815



18.8227, 12.5233, 68.4427



12.8778, 13.6953, 16.6169



11.0149, 9.8992, 41.0686



0.7998, 0.8137, 2.6893

Previews

White Background



This preview shows how the XYZ color 41.1785, 36.7899, 12.1386 looks on a white background.

Color Contrast Check

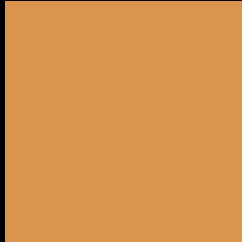
Large Text (above 18pt) WCAG AA × Fail

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 41.1785, 36.7899, 12.1386 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 41.1785, 36.7899, 12.1386

Background



This preview shows how black text looks on a background with the XYZ color 41.1785, 36.7899, 12.1386.



This preview shows how white text looks on a background with the XYZ color 41.1785, 36.7899,

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

41.1785, 36.7899, 12.1386

Protanopia

33.8928, 36.9992, 13.5388

Deuteranopia

37.5501, 36.8553, 11.9722



Tritanopia

45.6236, 36.8055, 33.5537

Trichromacy



Original Color

41.1785, 36.7899, 12.1386

Protanomaly

36.2177, 36.6499, 12.9498

Deuteranomaly

38.7432, 36.7282, 12.0684

Tritanomaly

43.5848, 36.6298, 23.8419

Monochromacy



Original Color

41.1785, 36.7899, 12.1386

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.2766, 35.3607, 26.4388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1785, 36.7899, 12.1386 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(219, 148, 78)` looks like.

```
.text, #text, p{  
    color:rgb(219, 148, 78)  
}
```

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(219, 148, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 148, 78) }
```

Border

The CSS property to change the border of an element to XYZ 41.1785, 36.7899, 12.1386 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(219, 148, 78) }
```


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

```
.border{ border-color:rgb(219, 148, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 148, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 148, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 148, 78);  
box-shadow:4px 4px 4px 4px rgb(219, 148,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1785, 36.7899, 12.1386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 148, 78) }
```

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

```
.background{ background-color: rgb(219,  
148, 78) }
```

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