

Converting Colors

XYZ(37.5844, 33.9150, 4.5653)

Have a look what the booklet for
XYZ(37.5844, 33.9150, 4.5653)
contains.

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Color

**XYZ(37.5540, 33.9411,
4.5720)**

Conversions

Conversions Part 1

Format	Color
Hex	D68F00
RGB	214, 143, 0
RGB Percent	84%, 56%, 0%
CMY	0.1608, 0.4392, 1.0000
CMYK	0.00, 0.33, 1.00, 0.16
HSL	40°, 100%, 42%
HSV	40°, 100%, 84%
XYZ	37.5540, 33.9411, 4.5720
YIQ	147.9270, 88.2190, -29.4210

Conversions

Conversions Part 2

Format	Color
RYB	106, 214, 0
Decimal	14061312
CIELab	64.92, 18.12, 69.99
CIElCh	65, 72.303, 75.486
Yxy	33.9411, 0.4937, 0.4462
Android (android.graphics.Color)	4292251392 (0xFFD68F00)
YUV	147.9270, -72.9280, 57.9460
Hunter-Lab	58.2590, 13.1086, 36.1284

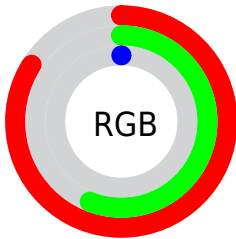
Details

The XYZ color **37.5540, 33.9411, 4.5720** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **14.3912, 9.3622, 64.6663**, and the grayscale version is **28.3882, 29.8666, 32.5247**.

A 20% lighter version of the original color is **62.4089, 61.6735, 14.9182**, and **17.0512, 14.6010, 1.9196** is the 20% darker color. If you saturate the color by 10%, you get **37.5541, 33.9416, 4.5721**, and if you desaturate by 10%, it is **38.7938, 36.1982, 5.6720**.

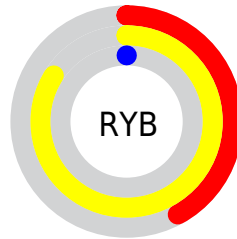
Distribution



Red (84%)

Green (56%)

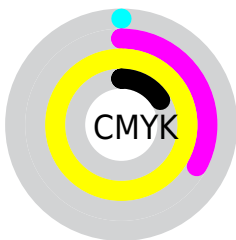
Blue (0%)



Red (42%)

Yellow (84%)

Blue (0%)

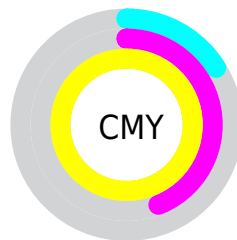


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5540, 33.9411, 4.5720 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 37.5540, 33.9411, 4.5720 by changing the saturation by 10% instead.


 37.5540, 33.9411,
4.5720


 37.5540, 33.9411,
4.5720


327.0169,
319.8693, 154.3855


 25.8124, 22.8484,
1.9441


 70.7323, 65.8421,
15.3088


 16.8153, 14.4816,
0.5206

 92.8997, 87.4191,
24.2549

 10.1973, 8.4564,
0.0000


 119.2731,
113.2596, 36.1440

 5.5933, 4.3883,
0.0000

 150.2178,
143.7481, 51.3948

 2.6377, 1.8931,
0.0000

 186.0992,
179.2689, 70.4258


 0.9652, 0.5442,
0.0000


 227.2826,


 0.0000, 0.0000,


220.2065, 93.6556


0.0000


 274.1334,
266.9452, 121.5026


 37.5540, 33.9411,
4.5720


 37.5540, 33.9411,
4.5720


 37.5541, 33.9416,
4.5721

 38.7938, 36.1982,
5.6720

 40.2557, 38.6526,
7.6065

 41.9929, 41.3289,
10.6462

 44.0349, 44.2407,
14.9408

 46.4068, 47.3998,
20.6164

■ 49.1304, 50.8167,
27.7837

■ 52.2258, 54.5012,
36.5419

■ 55.7110, 58.4621,
46.9820

■ 59.6031, 62.7078,
59.1876

Harmonies

Analogous

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



48.4692, 33.9411, 9.2602



37.5540, 33.9411, 4.5720



27.1943, 33.9411, 4.6349

Triad

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



37.5540, 33.9411, 4.5720



16.5308, 33.9411, 54.5180



48.7853, 33.9411, 93.6494

Complementary

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



37.5540, 33.9411, 4.5720



14.3912, 9.3622, 64.6663

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.



37.9187, 33.9411, 124.5888



37.5540, 33.9411, 4.5720



20.1394, 33.9411, 94.9352

Square

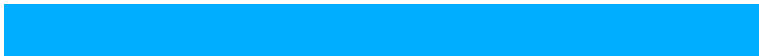
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.5540, 33.9411, 4.5720



16.4745, 33.9411, 24.3451



27.4885, 33.9411, 125.1564



55.8412, 33.9411, 53.3080

Rectangle

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



37.5540, 33.9411, 4.5720



21.9588, 33.9411, 7.1363



27.4885, 33.9411, 125.1564



45.3642, 33.9411, 106.2636

Sweetspot

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



37.5548, 33.9428, 4.5726



77.5174, 80.8769, 53.9084



28.8797, 14.7556, 7.3448



16.1591, 16.8021, 10.2945



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.



37.5548, 33.9428, 4.5726



55.6899, 50.1599, 6.7466



42.4834, 57.5973, 8.8786



13.1096, 13.7934, 13.1321



22.7983, 20.7137, 2.7966



1.4496, 1.3984, 0.1935

Inverse Universe

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



14.3912, 9.3622, 64.6663



21.2671, 13.6541, 96.1224



12.8539, 5.2245, 63.9486



12.0758, 12.6751, 15.7476



8.7838, 5.8294, 39.1154



0.6047, 0.5014, 2.3842

Previews

White Background



This preview shows how the XYZ color 37.5540, 33.9411, 4.5720 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 37.5540, 33.9411, 4.5720 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 37.5540, 33.9411, 4.5720

Background



This preview shows how black text looks on a background with the XYZ color 37.5540, 33.9411, 4.5720.



This preview shows how white text looks on a background with the XYZ color 37.5540, 33.9411,

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

37.5540, 33.9411, 4.5720

Protanopia

30.6662, 33.9504, 5.3523

Deuteranopia

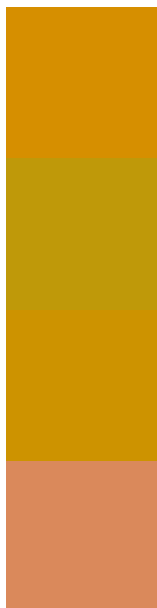
34.7258, 34.0921, 4.7502



Tritanopia

42.8607, 33.9739, 30.2852

Trichromacy



Original Color

37.5540, 33.9411, 4.5720

Protanomaly

32.9264, 33.8786, 5.0623

Deuteranomaly

35.6106, 33.8466, 4.6562

Tritanomaly

39.7474, 33.5521, 14.2788

Monochromacy



Original Color

37.5540, 33.9411, 4.5720

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.3125, 30.1366, 14.8617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5540, 33.9411, 4.5720 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(214, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 143, 0)  
}
```

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(214, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 143, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.5540, 33.9411, 4.5720 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(214, 143, 0) }
```


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

```
.border{ border-color:rgb(214, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 143,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5540, 33.9411, 4.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 143, 0) }
```

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

```
.background{ background-color: rgb(214,  
143, 0) }
```

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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