

Converting Colors

XYZ(37.2727, 33.2917, 4.4615)

Have a look what the booklet for
XYZ(37.2727, 33.2917, 4.4615)
contains.

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Color

**XYZ(37.2564, 33.3459,
4.4728)**

Conversions

Conversions Part 1

Format	Color
Hex	D68D00
RGB	214, 141, 0
RGB Percent	84%, 55%, 0%
CMY	0.1608, 0.4470, 1.0000
CMYK	0.00, 0.34, 1.00, 0.16
HSL	40°, 100%, 42%
HSV	40°, 100%, 84%
XYZ	37.2564, 33.3459, 4.4728
YIQ	146.7530, 88.7690, -28.3750

Conversions

Conversions Part 2

Format	Color
RYB	111, 214, 0
Decimal	14060800
CIELab	64.44, 19.20, 69.68
CIELCh	64, 72.278, 74.595
Yxy	33.3459, 0.4963, 0.4442
Android (android.graphics.Color)	4292250880 (0xFFD68D00)
YUV	146.7530, -72.3492, 58.9756
Hunter-Lab	57.7459, 14.1090, 35.8297

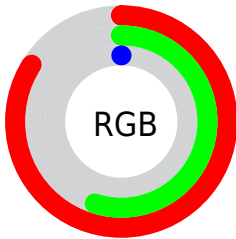
Details

The XYZ color **37.2564, 33.3459, 4.4728** 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 **14.5205, 9.6208, 64.7094**, and the grayscale version is **27.8962, 29.3490, 31.9611**.

A 20% lighter version of the original color is **61.9577, 60.7713, 14.7678**, and **16.8780, 14.2545, 1.8618** is the 20% darker color. If you saturate the color by 10%, you get **37.2565, 33.3464, 4.4729**, and if you desaturate by 10%, it is **38.5084, 35.6276, 5.5769**.

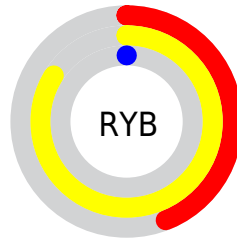
Distribution



Red (84%)

Green (55%)

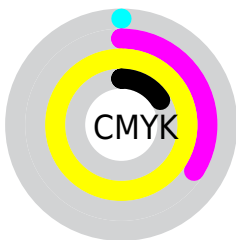
Blue (0%)



Red (44%)

Yellow (84%)

Blue (0%)

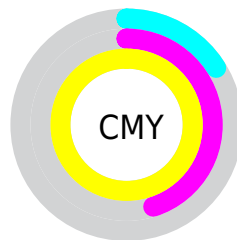


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2564, 33.3459, 4.4728 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 37.2564, 33.3459, 4.4728 by changing the saturation by 10% instead.


 37.2564, 33.3459,
4.4728


 37.2564, 33.3459,
4.4728

325.7555,
317.2055, 153.3439


 25.5807, 22.3916,
1.8881


 70.2782, 64.9152,
15.0863

 16.6412, 14.1449,
0.4852

 92.3550, 86.2989,
23.9522


 10.0727, 8.2215,
0.0000


 118.6295,
111.9279, 35.7489

 5.5098, 4.2370,
0.0000

 149.4672,
142.1866, 50.8950

 2.5872, 1.8070,
0.0000

 185.2332,
177.4592, 69.8090

 0.9394, 0.4915,
0.0000

 226.2931,

 0.0000, 0.0000,

218.1304, 92.9095

0.0000

273.0120,
264.5843, 120.6149

37.2564, 33.3459,
4.4728

37.2564, 33.3459,
4.4728

37.2565, 33.3464,
4.4729

38.5084, 35.6276,
5.5769

39.9863, 38.1138,
7.5166

41.7431, 40.8294,
10.5629

43.8086, 43.7880,
14.8653

46.2077, 47.0018,
20.5500

■ 48.9628, 50.4815,
27.7277

■ 52.0936, 54.2369,
36.4978

■ 55.6186, 58.2772,
46.9510

■ 59.5546, 62.6110,
59.1713

Harmonies

Analogous

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



48.0072, 33.3459, 9.2574



37.2564, 33.3459, 4.4728



26.9574, 33.3459, 4.4216

Triad

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



37.2564, 33.3459, 4.4728



16.1223, 33.3459, 52.5729



47.7465, 33.3459, 93.5862

Complementary

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



37.2564, 33.3459, 4.4728



14.5205, 9.6208, 64.7094

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.



36.9558, 33.3459, 123.6040



37.2564, 33.3459, 4.4728



19.5716, 33.3459, 92.5238

Square

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



37.2564, 33.3459, 4.4728



16.1685, 33.3459, 23.2201



26.7153, 33.3459, 123.1347



54.9006, 33.3459, 53.5709

Rectangle

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



37.2564, 33.3459, 4.4728



21.7199, 33.3459, 6.7594



26.7153, 33.3459, 123.1347



44.3326, 33.3459, 105.9498

Sweetspot

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



37.2571, 33.3476, 4.4734



77.3193, 80.4806, 53.8423



28.9982, 14.8030, 7.9689



16.1117, 16.7074, 10.2787



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.



37.2571, 33.3476, 4.4734



55.2458, 49.2716, 6.5986



43.3144, 58.0257, 8.9175



13.0996, 13.7733, 13.1288



22.6194, 20.3560, 2.7369



1.4397, 1.3786, 0.1902

Inverse Universe

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



14.5205, 9.6208, 64.7094



21.4568, 14.0336, 96.1856



12.7367, 5.1641, 63.9432



12.0854, 12.6943, 15.7508



8.8635, 5.9888, 39.1420



0.6103, 0.5127, 2.3861

Previews

White Background



This preview shows how the XYZ color 37.2564, 33.3459, 4.4728 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 37.2564, 33.3459, 4.4728 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 37.2564, 33.3459, 4.4728

Background



This preview shows how black text looks on a background with the XYZ color 37.2564, 33.3459, 4.4728.



This preview shows how white text looks on a background with the XYZ color 37.2564, 33.3459,

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

37.2564, 33.3459, 4.4728

Protanopia

30.2747, 33.4955, 5.3216

Deuteranopia

34.0361, 33.5007, 4.6724



Tritanopia

42.4392, 33.3713, 29.4038

Trichromacy



Original Color

37.2564, 33.3459, 4.4728

Protanomaly

32.3566, 33.1023, 4.9712

Deuteranomaly

35.1807, 33.3951, 4.5917

Tritanomaly

39.4229, 32.9716, 13.9592

Monochromacy



Original Color

37.2564, 33.3459, 4.4728

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.9404, 29.7169, 14.8003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2564, 33.3459, 4.4728 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, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 141, 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, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 141, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.2564, 33.3459, 4.4728 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, 141, 0) }
```


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

```
.border{ border-color:rgb(214, 141, 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, 141, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 141,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2564, 33.3459, 4.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 141, 0) }
```

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

```
.background{ background-color: rgb(214,  
141, 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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