

Converting Colors

XYZ(37.8028, 32.5225, 13.5588)

Have a look what the booklet for
XYZ(37.8028, 32.5225, 13.5588)
contains.

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Color

**XYZ(37.8585, 32.5929,
13.5282)**

Conversions

Conversions Part 1

Format	Color
Hex	D48958
RGB	212, 137, 88
RGB Percent	83%, 54%, 35%
CMY	0.1686, 0.4627, 0.6549
CMYK	0.00, 0.35, 0.58, 0.17
HSL	24°, 59%, 59%
HSV	24°, 58%, 83%
XYZ	37.8585, 32.5929, 13.5282
YIQ	153.8390, 60.4290, 0.6610

Conversions

Conversions Part 2

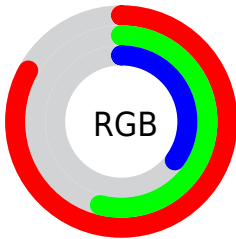
Format	Color
R _Y B	212, 169, 88
Decimal	13928792
CIE Lab	63.83, 23.79, 37.84
CIE LCh	64, 44.697, 57.842
Yxy	32.5929, 0.4508, 0.3881
Android (android.graphics.Color)	4292118872 (0xFFD48958)
YUV	153.8390, -32.4586, 51.0072
Hunter-Lab	57.0902, 18.4617, 25.9137

Details

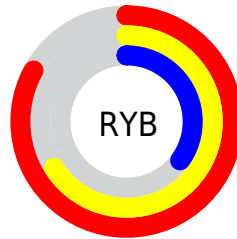
The XYZ color **37.8585, 32.5929, 13.5282** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **29.0047, 33.0210, 67.1322**, and the grayscale version is **30.7645, 32.3667, 35.2473**.

A 20% lighter version of the original color is **64.5310, 60.3857, 32.6805**, and **17.1176, 13.8396, 3.7766** is the 20% darker color. If you saturate the color by 10%, you get **35.3892, 28.8613, 8.9846**, and if you desaturate by 10%, it is **40.8013, 36.8631, 19.4898**.

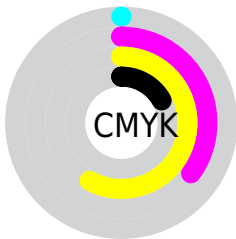
Distribution



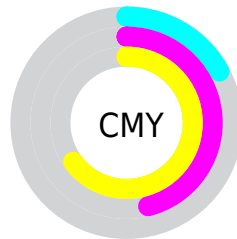
- Red (83%)
- Green (54%)
- Blue (35%)



- Red (83%)
- Yellow (66%)
- Blue (35%)



- Cyan (0%)
- Magenta (35%)
- Yellow (58%)
- Black (17%)





- Cyan (17%)
- Magenta (46%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8585, 32.5929, 13.5282 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 37.8585, 32.5929, 13.5282 by changing the saturation by 10% instead.


 37.8585, 32.5929,
13.5282


 37.8585, 32.5929,
13.5282


328.3039,
313.8113, 225.6011

 26.0496, 21.8148,
7.6583


 71.1965, 63.7394,
32.9545

 16.9936, 13.7209,
3.7925


 93.4563, 84.8766,
47.3480


 10.3252, 7.9268,
1.5122


 119.9305,
110.2356, 65.4197

 5.6790, 4.0481,
0.2270

 150.9843,
140.2007, 87.5882

 2.6897, 1.7005,
0.0000

 186.9833,
175.1565, 114.2721

 0.9919, 0.4240,
0.0000

228.2926,

 0.0000, 0.0000,

215.4873, 145.8898

0.0000

275.2777,
261.5774, 182.8600

■ 37.8585, 32.5929,
13.5282

■ 37.8585, 32.5929,
13.5282

■ 35.3892, 28.8613,
8.9846

■ 40.8013, 36.8631,
19.4898

■ 33.3607, 25.6392,
5.7343

■ 44.2425, 41.6895,
26.9757

■ 31.7388, 22.9015,
3.6338

■ 48.2080, 47.0945,
36.0842

■ 30.4742, 20.6148,
2.4648

■ 52.7207, 53.0980,
46.9047

■ 30.3048, 20.3039,
2.3218

■ 57.8024, 59.7187,
59.5201

■ 63.4733, 66.9744,
74.0076

■ 69.7529, 74.8822,
90.4403

■ 76.2377, 83.2899,
106.6661

■ 80.1378, 91.0901,
107.9662

Harmonies

Analogous

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



42.9262, 32.5929, 21.6663



37.8585, 32.5929, 13.5282



31.4354, 32.5929, 10.9380

Triad

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



37.8585, 32.5929, 13.5282



20.4132, 32.5929, 34.2020



36.9656, 32.5929, 75.6781

Complementary

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



37.8585, 32.5929, 13.5282



29.0047, 33.0210, 67.1322

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.



30.5262, 32.5929, 82.4613



37.8585, 32.5929, 13.5282



21.4831, 32.5929, 54.2078

Square

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



37.8585, 32.5929, 13.5282



21.8413, 32.5929, 20.0836



24.9871, 32.5929, 73.5415



42.3636, 32.5929, 57.2541

Rectangle

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



37.8585, 32.5929, 13.5282



27.4251, 32.5929, 11.7027



24.9871, 32.5929, 73.5415



34.8265, 32.5929, 79.6205

Sweetspot

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



37.8593, 32.5945, 13.5288



80.2957, 80.9378, 71.7771



37.3843, 23.6739, 37.9427



16.7346, 16.7277, 14.2643



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.



37.8593, 32.5945, 13.5288



53.0024, 42.6697, 12.3715



49.0004, 54.8767, 17.2425



12.8219, 13.2180, 13.0362



18.8001, 12.7175, 1.4638



1.2135, 0.9262, 0.1148

Inverse Universe

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



29.0047, 33.0210, 67.1322



38.3059, 43.2481, 100.9365



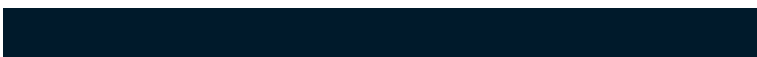
20.7058, 16.4232, 64.3659



12.3612, 13.2458, 15.8427



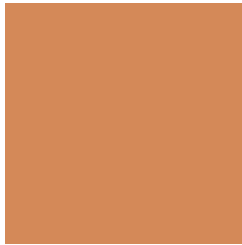
12.2195, 12.7008, 40.2606



0.8167, 0.9255, 2.4549

Previews

White Background



This preview shows how the XYZ color 37.8585, 32.5929, 13.5282 looks on a white background.

Color Contrast Check

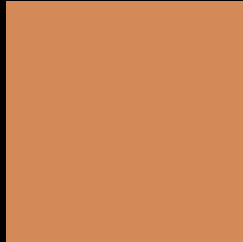
Large Text (above 18pt) WCAG AA × Fail

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 37.8585, 32.5929, 13.5282 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 37.8585, 32.5929, 13.5282

Background



This preview shows how black text looks on a background with the XYZ color 37.8585, 32.5929, 13.5282.



This preview shows how white text looks on a background with the XYZ color 37.8585, 32.5929,

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

37.8585, 32.5929, 13.5282

Protanopia

30.1491, 32.7039, 15.5499

Deuteranopia

33.2559, 32.6705, 13.3574



Tritanopia

41.1688, 32.7250, 28.9577

Trichromacy



Original Color

37.8585, 32.5929, 13.5282

Protanomaly

32.5293, 32.2668, 14.6389

Deuteranomaly

34.7195, 32.5050, 13.4610

Tritanomaly

39.8631, 32.6026, 22.2811

Monochromacy



Original Color

37.8585, 32.5929, 13.5282

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.2984, 31.9055, 25.5752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8585, 32.5929, 13.5282 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(212, 137, 88)` looks like.

```
.text, #text, p{  
    color:rgb(212, 137, 88)  
}
```

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(212, 137, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 137, 88) }
```

Border

The CSS property to change the border of an element to XYZ 37.8585, 32.5929, 13.5282 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(212, 137, 88) }
```


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

```
.border{ border-color:rgb(212, 137, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 137, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 137, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 137, 88);  
box-shadow:4px 4px 4px 4px rgb(212, 137,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8585, 32.5929, 13.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 137, 88) }
```

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

```
.background{ background-color: rgb(212,  
137, 88) }
```

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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