

Converting Colors

XYZ(37.5829, 32.2356, 4.2700)

Have a look what the booklet for
XYZ(37.5829, 32.2356, 4.2700)
contains.

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Color

**XYZ(37.5829, 32.2356,
4.2700)**

Conversions

Conversions Part 1

Format	Color
Hex	DA8701
RGB	218, 135, 1
RGB Percent	85%, 53%, 0%
CMY	0.1451, 0.4706, 0.9960
CMYK	0.00, 0.38, 1.00, 0.15
HSL	37°, 99%, 43%
HSV	37°, 100%, 85%
XYZ	37.5829, 32.2356, 4.2700
YIQ	144.5410, 92.4820, -24.0780

Conversions

Conversions Part 2

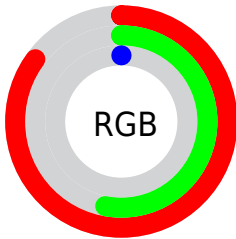
Format	Color
RYB	135, 218, 1
Decimal	14321409
CIELab	63.54, 24.16, 69.18
CIELCh	64, 73.280, 70.752
Yxy	32.2356, 0.5073, 0.4351
Android (android.graphics.Color)	4292511489 (0xFFDA8701)
YUV	144.5410, -70.7657, 64.4235
Hunter-Lab	56.7764, 18.7986, 35.2844

Details

The XYZ color **37.5829, 32.2356, 4.2700** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **15.8381, 11.4097, 67.6966**, and the grayscale version is **26.9803, 28.3854, 30.9117**.

A 20% lighter version of the original color is **60.3929, 57.6943, 14.0840**, and **17.1531, 13.6651, 1.7336** is the 20% darker color. If you saturate the color by 10%, you get **37.5242, 32.1273, 4.2235**, and if you desaturate by 10%, it is **38.9402, 34.7149, 5.4490**.

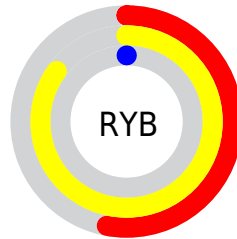
Distribution



Red (85%)

Green (53%)

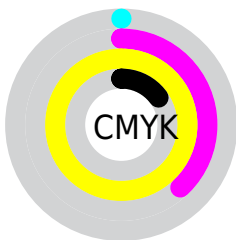
Blue (0%)



Red (53%)

Yellow (85%)

Blue (0%)

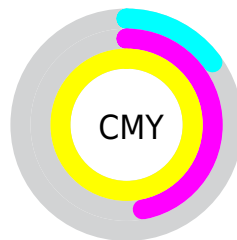


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5829, 32.2356, 4.2700 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 37.5829, 32.2356, 4.2700 by changing the saturation by 10% instead.


 37.5829, 32.2356,
4.2700


 37.5829, 32.2356,
4.2700


327.1392,
312.1911, 151.1807


 25.8349, 21.5415,
1.7746


 70.7764, 63.1803,
14.6278

 16.8322, 13.5204,
0.4111


 92.9526, 84.1996,
23.3273


 10.2095, 7.7879,
0.0000


 119.3356,
109.4295, 34.9320

 5.6014, 3.9595,
0.0000

 150.2906,
139.2544, 49.8602

 2.6426, 1.6509,
0.0000

 186.1832,
174.0586, 68.5307

 0.9677, 0.3916,
0.0000

 227.3785,

 0.0000, 0.0000,

214.2265, 91.3619

0.0000

274.2421,
260.1425, 118.7724

37.5829, 32.2356,
4.2700

37.5829, 32.2356,
4.2700

37.5242, 32.1273,
4.2235

38.9402, 34.7149,
5.4490

40.5561, 37.4453,
7.5337

42.4831, 40.4522,
10.7870

44.7523, 43.7511,
15.3645

47.3905, 47.3557,
21.3978

■ 50.4212, 51.2783,
29.0022

■ 53.8659, 55.5301,
38.2815

■ 57.7440, 60.1217,
49.3304

■ 62.0738, 65.0631,
62.2367

Harmonies

Analogous

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



48.0625, 32.2356, 9.6913



37.5829, 32.2356, 4.2700



27.1179, 32.2356, 3.7619

Triad

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



37.5829, 32.2356, 4.2700



15.1065, 32.2356, 46.6775



45.3371, 32.2356, 97.3077

Complementary

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



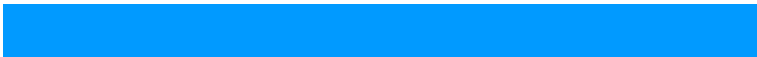
37.5829, 32.2356, 4.2700



15.8381, 11.4097, 67.6966

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.



34.4524, 32.2356, 124.4791



37.5829, 32.2356, 4.2700



18.0354, 32.2356, 86.1325

Square

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



37.5829, 32.2356, 4.2700



15.5815, 32.2356, 19.6257



24.6078, 32.2356, 119.5287



53.1827, 32.2356, 57.1077

Rectangle

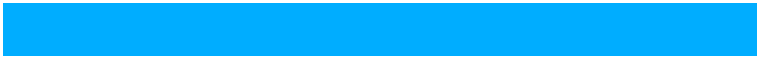
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.5829, 32.2356, 4.2700



21.6509, 32.2356, 5.5504



24.6078, 32.2356, 119.5287



41.8229, 32.2356, 109.0609

Sweetspot

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



37.5836, 32.2373, 4.2706



76.4521, 78.7462, 53.5533



30.5318, 15.5703, 9.8227



15.9048, 16.2935, 10.2098



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.



37.5836, 32.2373, 4.2706



53.3764, 45.5329, 5.9755



46.9885, 61.4405, 9.4117



13.7222, 14.3838, 13.7787



22.5881, 19.4617, 2.5660



1.5457, 1.4255, 0.1937

Inverse Universe

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



15.8381, 11.4097, 67.6966



22.3740, 15.8679, 96.4913



13.1001, 5.3078, 66.6631



12.7449, 13.4295, 16.5726



9.5486, 6.9667, 40.5798



0.7003, 0.6148, 2.6562

Previews

White Background



This preview shows how the XYZ color 37.5829, 32.2356, 4.2700 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 37.5829, 32.2356, 4.2700 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 37.5829, 32.2356, 4.2700

Background



This preview shows how black text looks on a background with the XYZ color 37.5829, 32.2356, 4.2700.



This preview shows how white text looks on a background with the XYZ color 37.5829, 32.2356,

4.2700.

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

37.5829, 32.2356, 4.2700

Protanopia

29.2704, 32.4788, 5.2165

Deuteranopia

32.7846, 32.1599, 4.4795



Tritanopia

42.2655, 32.3590, 26.9399

Trichromacy



Original Color

37.5829, 32.2356, 4.2700

Protanomaly

31.8855, 32.1511, 4.8418

Deuteranomaly

34.3016, 32.0425, 4.3769

Tritanomaly

39.3488, 31.7446, 12.8575

Monochromacy



Original Color

37.5829, 32.2356, 4.2700

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.5139, 28.6107, 14.3755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5829, 32.2356, 4.2700 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(218, 135, 1)` looks like.

```
.text, #text, p{  
    color:rgb(218, 135, 1)  
}
```

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(218, 135, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 135, 1) }
```

Border

The CSS property to change the border of an element to XYZ 37.5829, 32.2356, 4.2700 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(218, 135, 1) }
```


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

```
.border{ border-color:rgb(218, 135, 1) }
```

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

Here you see how a box with a 4 pixel rgb(218, 135, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 135, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 135, 1);  
box-shadow:4px 4px 4px 4px rgb(218, 135,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5829, 32.2356, 4.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 135, 1) }
```

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

```
.background{ background-color: rgb(218,  
135, 1) }
```

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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