

Converting Colors

XYZ(42.9616, 36.9720, 13.5932)

Have a look what the booklet for
XYZ(42.9616, 36.9720, 13.5932)
contains.

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Color

**XYZ(42.8565, 36.9302,
13.6736)**

Conversions

Conversions Part 1

Format	Color
Hex	E19156
RGB	225, 145, 86
RGB Percent	88%, 57%, 34%
CMY	0.1176, 0.4313, 0.6627
CMYK	0.00, 0.36, 0.62, 0.12
HSL	25°, 70%, 61%
HSV	25°, 62%, 88%
XYZ	42.8565, 36.9302, 13.6736
YIQ	162.1940, 66.6190, -1.3890

Conversions

Conversions Part 2

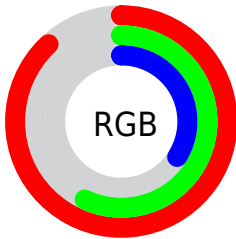
Format	Color
R _Y B	225, 189, 86
Decimal	14782806
CIE Lab	67.22, 24.68, 43.34
CIE LCh	67, 49.872, 60.336
Yxy	36.9302, 0.4586, 0.3951
Android (android.graphics.Color)	4292972886 (0xFFE19156)
YUV	162.1940, -37.5636, 55.0809
Hunter-Lab	60.7702, 19.5342, 29.1986

Details

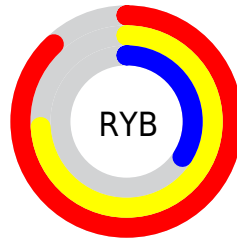
The XYZ color **42.8565, 36.9302, 13.6736** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **31.0639, 34.6856, 76.2917**, and the grayscale version is **34.5832, 36.3843, 39.6225**.

A 20% lighter version of the original color is **66.1788, 63.9130, 32.5154**, and **19.8537, 16.1383, 3.8189** is the 20% darker color. If you saturate the color by 10%, you get **40.2216, 32.8901, 9.0050**, and if you desaturate by 10%, it is **46.0040, 41.5393, 19.9210**.

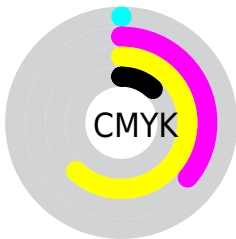
Distribution



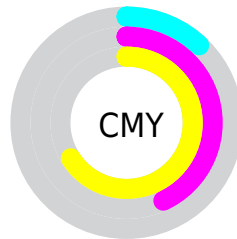
- Red (88%)
- Green (57%)
- Blue (34%)



- Red (88%)
- Yellow (74%)
- Blue (34%)



- Cyan (0%)
- Magenta (36%)
- Yellow (62%)
- Black (12%)



- Cyan (12%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8565, 36.9302, 13.6736 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 42.8565, 36.9302, 13.6736 by changing the saturation by 10% instead.

42.8565, 36.9302,
13.6736

42.8565, 36.9302,
13.6736

348.9528,
333.0082, 226.5481

29.9666, 25.1535,
7.7579

78.7513, 70.4654,
33.2175

19.9612, 16.1914,
3.8549

102.4869, 92.9927,
47.6827

12.4749, 9.6597,
1.5461

130.5685,
119.8722, 65.8349

7.1425, 5.1739,
0.2519

163.3614,
151.4885, 88.0925

3.5985, 2.3497,
0.0000

201.2309,
188.2258, 114.8740

1.4776, 0.7998,
0.0000

244.5424,

0.3105, 0.0000,

230.4686, 146.5981

0.0000

293.6612,
278.6013, 183.6833

■ 0.0000, 0.0000,
0.0000

■ 42.8565, 36.9302,
13.6736

■ 42.8565, 36.9302,
13.6736

■ 40.2216, 32.8901,
9.0050

■ 46.0040, 41.5393,
19.9210

■ 38.0613, 29.3871,
5.7642

■ 49.6928, 46.7357,
27.8752

■ 36.3351, 26.3938,
3.7735

■ 53.9524, 52.5438,
37.6532

■ 35.1897, 24.2844,
2.8327

■ 58.8091, 58.9845,
49.3608

■ 64.2872, 66.0778,
63.0961

70.4099, 73.8427,
78.9499

77.1989, 82.2972,
97.0080

82.8524, 90.7297,
107.7535

84.8613, 94.7475,
108.4232

Harmonies

Analogous

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



49.3132, 36.9302, 22.5343



42.8565, 36.9302, 13.6736



35.0153, 36.9302, 11.1678

Triad

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



42.8565, 36.9302, 13.6736



22.4024, 36.9302, 40.4570



43.0265, 36.9302, 88.3380

Complementary

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



42.8565, 36.9302, 13.6736



31.0639, 34.6856, 76.2917

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.



35.1869, 36.9302, 98.3977



42.8565, 36.9302, 13.6736



23.9212, 36.9302, 65.3218

Square

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



42.8565, 36.9302, 13.6736



23.8548, 36.9302, 22.8249



28.3427, 36.9302, 88.7540



49.4209, 36.9302, 64.7353

Rectangle

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



42.8565, 36.9302, 13.6736



30.2552, 36.9302, 12.3172



28.3427, 36.9302, 88.7540



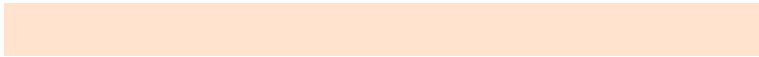
40.4385, 36.9302, 93.7294

Sweetspot

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



42.8574, 36.9321, 13.6743



79.9486, 80.7451, 70.1151



41.3620, 25.4565, 39.3335



16.6834, 16.7225, 13.9471



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.



42.8574, 36.9321, 13.6743



52.5733, 42.3390, 10.6021



56.6302, 64.4778, 18.2652



14.1831, 14.6522, 14.3874



20.3883, 14.2145, 1.6691



1.5005, 1.1599, 0.1448

Inverse Universe

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



31.0639, 34.6856, 76.2917



35.6271, 39.0088, 100.2594



21.7575, 16.0727, 73.1896



13.6038, 14.5466, 17.4785



12.5105, 12.4905, 42.7999



0.9553, 1.0421, 2.9960

Previews

White Background



This preview shows how the XYZ color 42.8565, 36.9302, 13.6736 looks on a white background.

Color Contrast Check

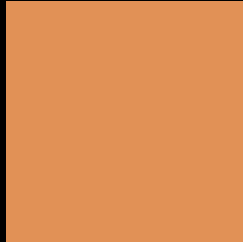
Large Text (above 18pt) WCAG AA × Fail

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 42.8565, 36.9302, 13.6736 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 42.8565, 36.9302, 13.6736

Background



This preview shows how black text looks on a background with the XYZ color 42.8565, 36.9302, 13.6736.



This preview shows how white text looks on a background with the XYZ color 42.8565, 36.9302,

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

42.8565, 36.9302, 13.6736

Protanopia

34.0736, 37.0445, 15.7104

Deuteranopia

37.8069, 36.9580, 13.3246



Tritanopia

46.7469, 36.9731, 32.6897

Trichromacy



Original Color

42.8565, 36.9302, 13.6736

Protanomaly

36.6674, 36.5879, 14.8024

Deuteranomaly

39.4068, 36.7982, 13.4133

Tritanomaly

45.2215, 37.0244, 24.1650

Monochromacy



Original Color

42.8565, 36.9302, 13.6736

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

36.1991, 35.8125, 27.5589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8565, 36.9302, 13.6736 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(225, 145, 86)` looks like.

```
.text, #text, p{  
    color:rgb(225, 145, 86)  
}
```

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(225, 145, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 145, 86) }
```

Border

The CSS property to change the border of an element to XYZ 42.8565, 36.9302, 13.6736 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(225, 145, 86) }
```


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

```
.border{ border-color:rgb(225, 145, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 145, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 145, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 145, 86);  
box-shadow:4px 4px 4px 4px rgb(225, 145,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8565, 36.9302, 13.6736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 145, 86) }
```

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

```
.background{ background-color: rgb(225,  
145, 86) }
```

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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