

Converting Colors

XYZ(42.4845, 34.6014, 13.8473)

Have a look what the booklet for
XYZ(42.4845, 34.6014, 13.8473)
contains.

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Color

**XYZ(42.4621, 34.5432,
13.8807)**

Conversions

Conversions Part 1

Format	Color
Hex	E48759
RGB	228, 135, 89
RGB Percent	89%, 53%, 35%
CMY	0.1059, 0.4706, 0.6510
CMYK	0.00, 0.41, 0.61, 0.11
HSL	20°, 72%, 62%
HSV	20°, 61%, 89%
XYZ	42.4621, 34.5432, 13.8807
YIQ	157.5630, 70.1940, 5.4100

Conversions

Conversions Part 2

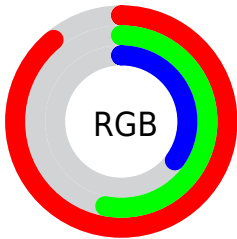
Format	Color
R _Y B	228, 158, 89
Decimal	14976857
CIE Lab	65.39, 31.40, 39.67
CIE LCh	65, 50.598, 51.635
Yxy	34.5432, 0.4672, 0.3801
Android (android.graphics.Color)	4293166937 (0xFFE48759)
YUV	157.5630, -33.8016, 61.7732
Hunter-Lab	58.7735, 26.1074, 27.1387

Details

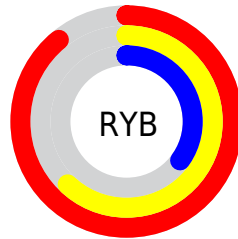
The XYZ color **42.4621, 34.5432, 13.8807** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **34.8504, 41.1790, 79.5101**, and the grayscale version is **32.4282, 34.1170, 37.1534**.

A 20% lighter version of the original color is **64.1712, 59.5486, 32.9228**, and **19.7190, 14.8256, 3.9201** is the 20% darker color. If you saturate the color by 10%, you get **39.6709, 30.2632, 8.9360**, and if you desaturate by 10%, it is **45.8563, 39.5552, 20.4894**.

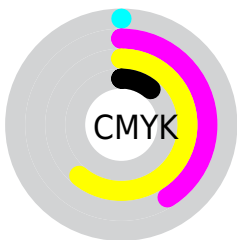
Distribution



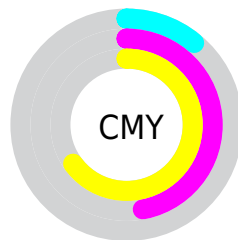
- Red (89%)
- Green (53%)
- Blue (35%)



- Red (89%)
- Yellow (62%)
- Blue (35%)



- Cyan (0%)
- Magenta (41%)
- Yellow (61%)
- Black (11%)





- Cyan (11%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4621, 34.5432, 13.8807 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 42.4621, 34.5432, 13.8807 by changing the saturation by 10% instead.


 42.4621, 34.5432,
13.8807


 42.4621, 34.5432,
13.8807


347.3541,
322.5474, 227.8900


 29.6560, 23.3112,
7.8999


 78.1593, 66.7775,
33.5913


 19.7244, 14.8235,
3.9441


 101.7811, 88.5486,
48.1582


 12.3020, 8.6956,
1.5947


 129.7388,
114.6015, 66.4242

 7.0233, 4.5432,
0.2871

 162.3979,
145.3207, 88.8078

 3.5232, 1.9818,
0.0000

 200.1236,
181.0905, 115.7277

 1.4361, 0.5969,
0.0000

243.2813,

 0.2817, 0.0000,

222.2952, 147.6023

0.0000

292.2363,
269.3194, 184.8502

■ 0.0000, 0.0000,
0.0000

■ 42.4621, 34.5432,
13.8807

■ 42.4621, 34.5432,
13.8807

■ 39.6709, 30.2632,
8.9360

■ 45.8563, 39.5552,
20.4894

■ 37.4389, 26.6727,
5.4994

■ 49.8880, 45.3280,
28.8946

■ 35.7193, 23.7323,
3.3884

■ 54.5916, 51.8953,
39.2178

■ 34.5424, 21.5890,
2.3465

■ 59.9983, 59.2870,
51.5689

■ 66.1371, 67.5312,
66.0498

■ 73.0354, 76.6548,
82.7551

■ 80.7190, 86.6836,
101.7741

■ 85.8048, 95.2339,
108.4673

Harmonies

Analogous

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



47.8866, 34.5432, 24.5174



42.4621, 34.5432, 13.8807



34.9425, 34.5432, 10.0117

Triad

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



42.4621, 34.5432, 13.8807



20.6878, 34.5432, 31.9981



38.3533, 34.5432, 89.5207

Complementary

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



42.4621, 34.5432, 13.8807



34.8504, 41.1790, 79.5101

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.



30.8087, 34.5432, 93.9290



42.4621, 34.5432, 13.8807



21.3186, 34.5432, 54.6941

Square

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



42.4621, 34.5432, 13.8807



22.9060, 34.5432, 17.5898



24.7810, 34.5432, 79.3790



45.2776, 34.5432, 68.9354

Rectangle

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



42.4621, 34.5432, 13.8807



30.0498, 34.5432, 10.1795



24.7810, 34.5432, 79.3790



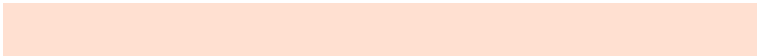
35.7814, 34.5432, 93.1888

Sweetspot

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



42.4629, 34.5450, 13.8813



79.4952, 79.3367, 71.5102



44.2173, 27.0989, 48.2385



16.5411, 16.3406, 14.1997



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.



42.4629, 34.5450, 13.8813



50.3536, 37.7760, 10.2434



55.0400, 59.6991, 18.0737



14.7647, 15.1433, 15.0492



20.0431, 12.6603, 1.3873



1.5638, 1.1010, 0.1301

Inverse Universe

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



34.8504, 41.1790, 79.5101



39.6497, 46.7918, 101.5497



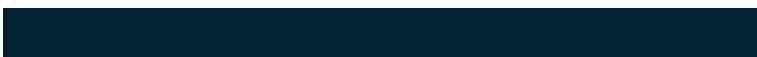
24.1956, 19.8696, 75.9585



14.3845, 15.4903, 18.3761



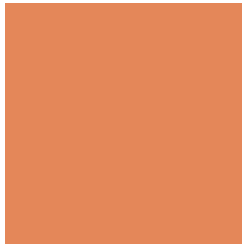
14.7332, 16.5285, 44.7970



1.1730, 1.3900, 3.3384

Previews

White Background



This preview shows how the XYZ color 42.4621, 34.5432, 13.8807 looks on a white background.

Color Contrast Check

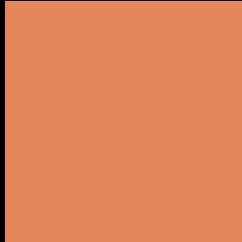
Large Text (above 18pt) WCAG AA × Fail

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 42.4621, 34.5432, 13.8807 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 42.4621, 34.5432, 13.8807

Background



This preview shows how black text looks on a background with the XYZ color 42.4621, 34.5432, 13.8807.



This preview shows how white text looks on a background with the XYZ color 42.4621, 34.5432,

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

42.4621, 34.5432, 13.8807

Protanopia

32.0583, 34.6768, 16.5589

Deuteranopia

35.3736, 34.7145, 13.4305



Tritanopia

45.3927, 34.5244, 28.3162

Trichromacy



Original Color

42.4621, 34.5432, 13.8807

Protanomaly

35.2200, 34.1083, 15.5537

Deuteranomaly

37.6907, 34.4951, 13.4758

Tritanomaly

44.1396, 34.4117, 22.0850

Monochromacy



Original Color

42.4621, 34.5432, 13.8807

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.6684, 33.5734, 26.8434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4621, 34.5432, 13.8807 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(228, 135, 89)` looks like.

```
.text, #text, p{  
    color:rgb(228, 135, 89)  
}
```

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(228, 135, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 135, 89) }
```

Border

The CSS property to change the border of an element to XYZ 42.4621, 34.5432, 13.8807 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(228, 135, 89) }
```


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

```
.border{ border-color:rgb(228, 135, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 135, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 135, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 135, 89);  
box-shadow:4px 4px 4px 4px rgb(228, 135,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4621, 34.5432, 13.8807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 135, 89) }
```

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

```
.background{ background-color: rgb(228,  
135, 89) }
```

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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