

Converting Colors

XYZ(43.8297, 37.1443, 14.5786)

Have a look what the booklet for
XYZ(43.8297, 37.1443, 14.5786)
contains.

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Color

**XYZ(43.8136, 37.1787,
14.5398)**

Conversions

Conversions Part 1

Format	Color
Hex	E4905A
RGB	228, 144, 90
RGB Percent	89%, 56%, 35%
CMY	0.1059, 0.4353, 0.6471
CMYK	0.00, 0.37, 0.61, 0.11
HSL	23°, 72%, 62%
HSV	23°, 61%, 89%
XYZ	43.8136, 37.1787, 14.5398
YIQ	162.9600, 67.3980, 1.0140

Conversions

Conversions Part 2

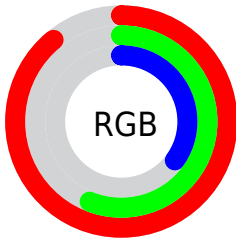
Format	Color
R _{YB}	228, 179, 90
Decimal	14979162
CIE Lab	67.41, 26.71, 41.59
CIE LCh	67, 49.426, 57.285
Yxy	37.1787, 0.4586, 0.3892
Android (android.graphics.Color)	4293169242 (0xFFE4905A)
YUV	162.9600, -35.9693, 57.0401
Hunter-Lab	60.9743, 21.5575, 28.5439

Details

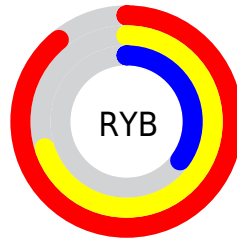
The XYZ color **43.8136, 37.1787, 14.5398** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **33.3550, 38.0450, 78.9837**, and the grayscale version is **34.9370, 36.7564, 40.0277**.

A 20% lighter version of the original color is **66.2418, 63.5713, 33.9785**, and **20.4807, 16.3207, 4.2612** is the 20% darker color. If you saturate the color by 10%, you get **41.0137, 32.9012, 9.5309**, and if you desaturate by 10%, it is **47.1712, 42.0958, 21.2033**.

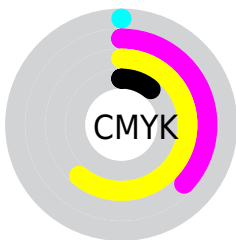
Distribution



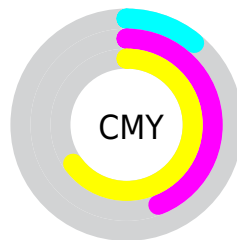
- Red (89%)
- Green (56%)
- Blue (35%)



- Red (89%)
- Yellow (70%)
- Blue (35%)



- Cyan (0%)
- Magenta (37%)
- Yellow (61%)
- Black (11%)





- Cyan (11%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8136, 37.1787, 14.5398 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 43.8136, 37.1787, 14.5398 by changing the saturation by 10% instead.


 43.8136, 37.1787,
14.5398


 43.8136, 37.1787,
14.5398


352.8122,
334.0835, 232.1076


 30.7213, 25.3459,
8.3540


 80.1853, 70.8475,
34.7746

 20.5375, 16.3349,
4.2313


 104.1953, 93.4524,
49.6607

 12.8969, 9.7615,
1.7531


 132.5753,
120.4166, 68.2841

 7.4341, 5.2411,
0.3967

 165.6907,
152.1247, 91.0631

 3.7838, 2.3894,
0.0000

203.9066,
188.9611, 118.4165

 1.5805, 0.8204,
0.0000

247.5887,

 0.3797, 0.0000,

231.3101, 150.7626

0.0000

297.1020,
279.5561, 188.5202

■ 0.0000, 0.0000,
0.0000

■ 43.8136, 37.1787,
14.5398

■ 43.8136, 37.1787,
14.5398

■ 41.0137, 32.9012,
9.5309

■ 47.1712, 42.0958,
21.2033

■ 38.7314, 29.2277,
6.0228

■ 51.1174, 47.6743,
29.6522

■ 36.9240, 26.1269,
3.8360

■ 55.6837, 53.9419,
40.0062

■ 35.5860, 23.6765,
2.6944

■ 60.8981, 60.9228,
52.3740

■ 66.7871, 68.6399,
66.8563

■ 73.3754, 77.1150,
83.5466

■ 80.6864, 86.3688,
102.5331

■ 85.8047, 95.2339,
108.4673

Harmonies

Analogous

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



49.9366, 37.1787, 24.2039



43.8136, 37.1787, 14.5398



36.0321, 37.1787, 11.4645

Triad

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



43.8136, 37.1787, 14.5398



22.6873, 37.1787, 38.5361



42.4480, 37.1787, 90.0599

Complementary

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



43.8136, 37.1787, 14.5398



33.3550, 38.0450, 78.9837

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.



34.6514, 37.1787, 98.1235



43.8136, 37.1787, 14.5398



23.9029, 37.1787, 62.7877

Square

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



43.8136, 37.1787, 14.5398



24.4389, 37.1787, 21.8539



28.0313, 37.1787, 86.7323



49.0722, 37.1787, 67.4890

Rectangle

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



43.8136, 37.1787, 14.5398



31.1815, 37.1787, 12.2756



28.0313, 37.1787, 86.7323



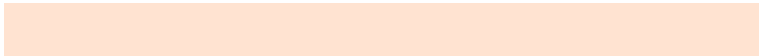
39.8468, 37.1787, 94.8440

Sweetspot

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



43.8145, 37.1806, 14.5405



80.2473, 80.8410, 71.7609



43.3987, 26.9055, 43.5150



16.7229, 16.7043, 14.2603



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.



43.8145, 37.1806, 14.5405



51.9378, 40.9444, 10.7715



57.3586, 64.2689, 19.0552



14.8373, 15.2885, 15.0734



20.6562, 13.8865, 1.5917



1.6147, 1.2027, 0.1470

Inverse Universe

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



33.3550, 38.0450, 78.9837



37.2524, 41.9974, 100.7506



23.3846, 18.1041, 75.6602



14.3092, 15.3398, 18.3510



13.5170, 14.0961, 44.3916



1.0886, 1.2211, 3.3103

Previews

White Background



This preview shows how the XYZ color 43.8136, 37.1787, 14.5398 looks on a white background.

Color Contrast Check

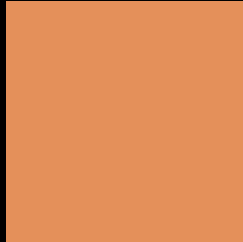
Large Text (above 18pt) WCAG AA × Fail

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 43.8136, 37.1787, 14.5398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

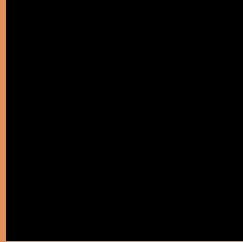
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.8136, 37.1787, 14.5398

Background



This preview shows how black text looks on a background with the XYZ color 43.8136, 37.1787, 14.5398.



This preview shows how white text looks on a background with the XYZ color 43.8136, 37.1787,

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

43.8136, 37.1787, 14.5398

Protanopia

34.4352, 37.4766, 16.7280

Deuteranopia

38.1344, 37.3586, 14.2179



Tritanopia

47.4908, 37.1537, 32.2721

Trichromacy



Original Color

43.8136, 37.1787, 14.5398

Protanomaly

37.1033, 36.7924, 15.7358

Deuteranomaly

39.8537, 37.0099, 14.2756

Tritanomaly

46.0990, 37.2514, 24.4992

Monochromacy



Original Color

43.8136, 37.1787, 14.5398

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.8259, 36.1193, 28.3233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8136, 37.1787, 14.5398 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, 144, 90)` looks like.

```
.text, #text, p{  
    color:rgb(228, 144, 90)  
}
```

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, 144, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 144, 90) }
```

Border

The CSS property to change the border of an element to XYZ 43.8136, 37.1787, 14.5398 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, 144, 90) }
```


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

```
.border{ border-color:rgb(228, 144, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 144, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 144, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 144, 90);  
box-shadow:4px 4px 4px 4px rgb(228, 144,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8136, 37.1787, 14.5398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 144, 90) }
```

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

```
.background{ background-color: rgb(228,  
144, 90) }
```

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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