

Converting Colors

XYZ(45.6731, 38.1311, 13.8954)

Have a look what the booklet for
XYZ(45.6731, 38.1311, 13.8954)
contains.

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Color

**XYZ(45.6252, 38.1271,
13.9714)**

Conversions

Conversions Part 1

Format	Color
Hex	EA9057
RGB	234, 144, 87
RGB Percent	92%, 56%, 34%
CMY	0.0824, 0.4353, 0.6588
CMYK	0.00, 0.38, 0.63, 0.08
HSL	23°, 78%, 63%
HSV	23°, 63%, 92%
XYZ	45.6252, 38.1271, 13.9714
YIQ	164.4120, 71.9370, 1.3530

Conversions

Conversions Part 2

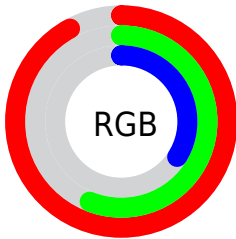
Format	Color
RYB	234, 180, 87
Decimal	15372375
CIELab	68.11, 28.93, 44.15
CIElCh	68, 52.784, 56.760
Yxy	38.1271, 0.4669, 0.3902
Android (android.graphics.Color)	4293562455 (0xFFEA9057)
YUV	164.4120, -38.1641, 61.0287
Hunter-Lab	61.7471, 23.8368, 29.8076

Details

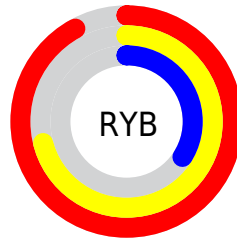
The XYZ color **45.6252, 38.1271, 13.9714** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **34.5028, 39.4087, 83.6294**, and the grayscale version is **35.6363, 37.4922, 40.8290**.

A 20% lighter version of the original color is **66.0215, 63.4831, 32.8185**, and **21.7198, 16.9673, 3.9640** is the 20% darker color. If you saturate the color by 10%, you get **42.7859, 33.7386, 9.0484**, and if you desaturate by 10%, it is **49.0515, 43.1941, 20.6188**.

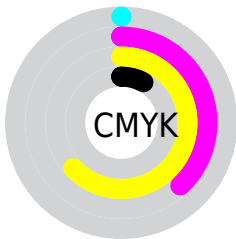
Distribution



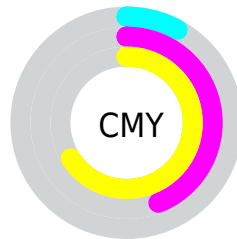
- Red (92%)
- Green (56%)
- Blue (34%)



- Red (92%)
- Yellow (71%)
- Blue (34%)



- Cyan (0%)
- Magenta (38%)
- Yellow (63%)
- Black (8%)





- Cyan (8%)
- Magenta (44%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6252, 38.1271, 13.9714 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 45.6252, 38.1271, 13.9714 by changing the saturation by 10% instead.


 45.6252, 38.1271,
13.9714


 45.6252, 38.1271,
13.9714


360.0410,
338.1649, 228.4751

 32.1535, 26.0813,
7.9623


 82.8891, 72.3029,
33.7547

 21.6349, 16.8845,
3.9834


 107.4120, 95.2018,
48.3659


 13.7040, 10.1522,
1.6162


 136.3495,
122.4871, 66.6815

 7.9954, 5.5000,
0.3024

 170.0667,
154.5433, 89.1201

 4.1438, 2.5435,
0.0000

 208.9291,
191.7548, 116.1002

 1.7838, 0.8983,
0.0000

253.3021,

 0.5079, 0.0000,

234.5060, 148.0404

0.0000

303.5509,
283.1812, 185.3592

■ 0.0000, 0.0000,
0.0000

■ 45.6252, 38.1271,
13.9714

■ 45.6252, 38.1271,
13.9714

■ 42.7859, 33.7386,
9.0484

■ 49.0515, 43.1941,
20.6188

■ 40.4893, 29.9897,
5.6801

■ 53.0987, 48.9641,
29.1342

■ 38.6877, 26.8454,
3.6648

■ 57.8013, 55.4671,
39.6484

■ 37.6507, 24.9308,
2.8277

■ 63.1898, 62.7296,
52.2796

■ 69.2930, 70.7766,
67.1368

■ 76.1377, 79.6319,
84.3214

■ 83.7493, 89.3181,
103.9287

■ 87.7414, 96.2323,
108.5580

Harmonies

Analogous

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



52.2879, 38.1271, 24.2660



45.6252, 38.1271, 13.9714



37.1405, 38.1271, 10.7108

Triad

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



45.6252, 38.1271, 13.9714



22.6220, 38.1271, 39.0047



43.8426, 38.1271, 96.5667

Complementary

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



45.6252, 38.1271, 13.9714



34.5028, 39.4087, 83.6294

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.



35.3516, 38.1271, 105.2084



45.6252, 38.1271, 13.9714



23.8637, 38.1271, 65.4514

Square

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



45.6252, 38.1271, 13.9714



24.5472, 38.1271, 21.2946



28.2368, 38.1271, 92.1390



51.1541, 38.1271, 71.6474

Rectangle

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



45.6252, 38.1271, 13.9714



31.8634, 38.1271, 11.4796



28.2368, 38.1271, 92.1390



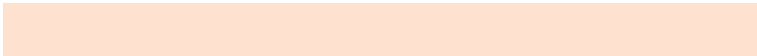
40.9972, 38.1271, 101.8011

Sweetspot

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



45.6261, 38.1291, 13.9721



79.4644, 79.7768, 69.9537



45.3405, 27.5093, 44.8557



16.5671, 16.4901, 13.9084



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.



45.6261, 38.1291, 13.9721



51.2348, 39.7802, 9.7913



60.4259, 67.7286, 18.9054



15.5445, 16.0119, 15.7901



21.2711, 14.2365, 1.6268



1.7612, 1.2997, 0.1580

Inverse Universe

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



34.5028, 39.4087, 83.6294



36.6382, 41.2818, 100.6449



23.7474, 17.8980, 80.0443



14.9988, 16.0841, 19.2363



14.0125, 14.6721, 45.8364



1.1932, 1.3379, 3.6302

Previews

White Background



This preview shows how the XYZ color 45.6252, 38.1271, 13.9714 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 45.6252, 38.1271, 13.9714 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 45.6252, 38.1271, 13.9714

Background



This preview shows how black text looks on a background with the XYZ color 45.6252, 38.1271, 13.9714.



This preview shows how white text looks on a background with the XYZ color 45.6252, 38.1271,

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

45.6252, 38.1271, 13.9714

Protanopia

35.4127, 38.5309, 16.3972

Deuteranopia

39.1752, 38.4155, 13.7377



Tritanopia

49.4720, 38.1750, 32.3648

Trichromacy



Original Color

45.6252, 38.1271, 13.9714

Protanomaly

38.6870, 38.1255, 15.4452

Deuteranomaly

41.5142, 38.3660, 13.8117

Tritanomaly

48.0048, 38.2414, 24.2532

Monochromacy



Original Color

45.6252, 38.1271, 13.9714

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.4872, 36.7103, 28.4026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6252, 38.1271, 13.9714 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(234, 144, 87)` looks like.

```
.text, #text, p{  
    color:rgb(234, 144, 87)  
}
```

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(234, 144, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 144, 87) }
```

Border

The CSS property to change the border of an element to XYZ 45.6252, 38.1271, 13.9714 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(234, 144, 87) }
```


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

```
.border{ border-color:rgb(234, 144, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 144, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 144, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 144, 87);  
box-shadow:4px 4px 4px 4px rgb(234, 144,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6252, 38.1271, 13.9714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 144, 87) }
```

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

```
.background{ background-color: rgb(234,  
144, 87) }
```

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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