

Converting Colors

XYZ(46.7617, 41.3408, 17.1166)

Have a look what the booklet for
XYZ(46.7617, 41.3408, 17.1166)
contains.

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Color

**XYZ(46.5591, 41.1475,
17.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	E69B62
RGB	230, 155, 98
RGB Percent	90%, 61%, 38%
CMY	0.0980, 0.3921, 0.6157
CMYK	0.00, 0.33, 0.57, 0.10
HSL	26°, 73%, 64%
HSV	26°, 57%, 90%
XYZ	46.5591, 41.1475, 17.0436
YIQ	170.9270, 62.9970, -1.8270

Conversions

Conversions Part 2

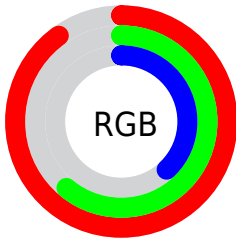
Format	Color
R _Y B	230, 198, 98
Decimal	15113058
CIE Lab	70.28, 22.25, 40.97
CIE LCh	70, 46.625, 61.490
Yxy	41.1475, 0.4445, 0.3928
Android (android.graphics.Color)	4293303138 (0xFFE69B62)
YUV	170.9270, -35.9530, 51.8070
Hunter-Lab	64.1463, 17.3040, 29.1491

Details

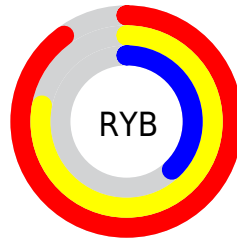
The XYZ color **46.5591, 41.1475, 17.0436** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **34.2627, 38.1952, 80.4293**, and the grayscale version is **38.8256, 40.8476, 44.4830**.

A 20% lighter version of the original color is **69.7916, 69.5552, 38.6012**, and **22.1992, 18.5802, 5.3220** is the 20% darker color. If you saturate the color by 10%, you get **43.5670, 36.6588, 11.4366**, and if you desaturate by 10%, it is **50.1005, 46.2358, 24.3735**.

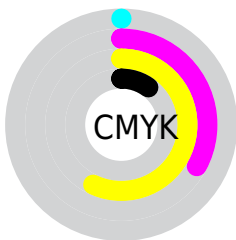
Distribution



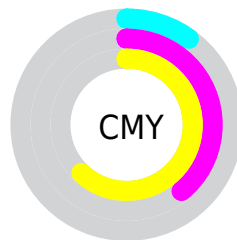
- Red (90%)
- Green (61%)
- Blue (38%)



- Red (90%)
- Yellow (78%)
- Blue (38%)



- Cyan (0%)
- Magenta (33%)
- Yellow (57%)
- Black (10%)





- Cyan (10%)
- Magenta (39%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5591, 41.1475, 17.0436 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 46.5591, 41.1475, 17.0436 by changing the saturation by 10% instead.


 46.5591, 41.1475,
17.0436

 46.5591, 41.1475,
17.0436


363.7303,
350.9367, 247.4760

 32.8937, 28.4344,
10.1033


 84.2779, 76.9078,
39.1924


 22.2039, 18.6533,
5.3610


 109.0620,
100.7237, 55.2380

 14.1242, 11.4201,
2.3982


 138.2831,
129.0093, 75.1557

 8.2894, 6.3501,
0.7854

 172.3065,
162.1490, 99.3642

 4.3340, 3.0591,
0.0000

211.4975,
200.5272, 128.2819

 1.8928, 1.1627,
0.0000

256.2216,

 0.5726, 0.0309,

244.5283, 162.3274

0.0000

306.8441,
294.5366, 201.9192

■ 0.0000, 0.0000,
0.0000

■ 46.5591, 41.1475,
17.0436

■ 46.5591, 41.1475,
17.0436

■ 43.5670, 36.6588,
11.4366

■ 50.1005, 46.2358,
24.3735

■ 41.0863, 32.7376,
7.4025

■ 54.2197, 51.9416,
33.5543

■ 39.0777, 29.3574,
4.7694

■ 58.9463, 58.2892,
44.7042

■ 37.4901, 26.4844,
3.3084

■ 64.3070, 65.2998,
57.9309

■ 37.1259, 25.8088,
3.0248

■ 70.3266, 72.9934,
73.3344

■ 77.0286, 81.3892,
91.0079

■ 83.7840, 90.2449,
107.6109

■ 86.4430, 95.5629,
108.4972

Harmonies

Analogous

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



53.0416, 41.1475, 26.2035



46.5591, 41.1475, 17.0436



38.7282, 41.1475, 14.5064

Triad

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



46.5591, 41.1475, 17.0436



26.1707, 41.1475, 45.9070



47.3072, 41.1475, 91.1826

Complementary

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



46.5591, 41.1475, 17.0436



34.2627, 38.1952, 80.4293

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.



39.4932, 41.1475, 101.4888



46.5591, 41.1475, 17.0436



27.8593, 41.1475, 70.6071

Square

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



46.5591, 41.1475, 17.0436



27.5553, 41.1475, 27.5529



32.5001, 41.1475, 92.9531



53.5116, 41.1475, 68.0688

Rectangle

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



46.5591, 41.1475, 17.0436



33.9645, 41.1475, 15.9245



32.5001, 41.1475, 92.9531



44.7495, 41.1475, 96.5446

Sweetspot

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



46.5601, 41.1496, 17.0444



81.4797, 82.7962, 73.7429



44.7388, 28.6538, 43.7305



17.1318, 17.3228, 15.0111



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.



46.5601, 41.1496, 17.0444



54.3804, 45.2797, 13.2804



60.1692, 68.3678, 21.5808



14.8863, 15.3865, 15.0898



21.1350, 14.8441, 1.7513



1.6526, 1.2786, 0.1597

Inverse Universe

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



34.2627, 38.1952, 80.4293



37.4016, 41.1304, 100.5754



24.7889, 19.2475, 77.2713



14.2590, 15.2395, 18.3343



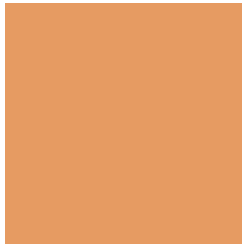
12.7801, 12.6223, 44.1459



1.0363, 1.1165, 3.2929

Previews

White Background



This preview shows how the XYZ color 46.5591, 41.1475, 17.0436 looks on a white background.

Color Contrast Check

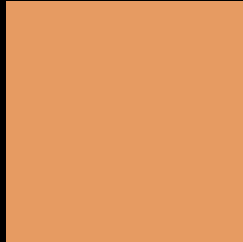
Large Text (above 18pt) WCAG AA × Fail

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 46.5591, 41.1475, 17.0436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

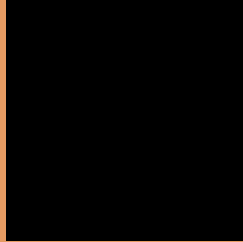
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5591, 41.1475, 17.0436

Background



This preview shows how black text looks on a background with the XYZ color 46.5591, 41.1475, 17.0436.



This preview shows how white text looks on a background with the XYZ color 46.5591, 41.1475,

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

46.5591, 41.1475, 17.0436

Protanopia

37.9903, 41.1959, 19.0460

Deuteranopia

41.9651, 41.0971, 16.7871



Tritanopia

51.1089, 41.3452, 38.0876

Trichromacy



Original Color

46.5591, 41.1475, 17.0436

Protanomaly

40.6631, 40.9283, 18.3271

Deuteranomaly

43.5178, 41.1045, 16.9496

Tritanomaly

49.1862, 41.2630, 29.0391

Monochromacy



Original Color

46.5591, 41.1475, 17.0436

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.2274, 40.1304, 32.0113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5591, 41.1475, 17.0436 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(230, 155, 98)` looks like.

```
.text, #text, p{  
    color:rgb(230, 155, 98)  
}
```

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(230, 155, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 155, 98) }
```

Border

The CSS property to change the border of an element to XYZ 46.5591, 41.1475, 17.0436 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(230, 155, 98) }
```


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

```
.border{ border-color:rgb(230, 155, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 155, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 155, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 155, 98);  
box-shadow:4px 4px 4px 4px rgb(230, 155,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5591, 41.1475, 17.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 155, 98) }
```

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

```
.background{ background-color: rgb(230,  
155, 98) }
```

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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