

Converting Colors

XYZ(42.3331, 36.3486, 7.4756)

Have a look what the booklet for
XYZ(42.3331, 36.3486, 7.4756)
contains.

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Color

**XYZ(42.3305, 36.3441,
7.4734)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E48F2F |
| RGB | 228, 143, 47 |
| RGB Percent | 89%, 56%, 18% |
| CMY | 0.1059, 0.4392, 0.8157 |
| CMYK | 0.00, 0.37, 0.79, 0.11 |
| HSL | 32°, 77%, 54% |
| HSV | 32°, 79%, 89% |
| XYZ | 42.3305, 36.3441, 7.4734 |
| YIQ | 157.4710, 81.4760, -11.8360 |

Conversions

Conversions Part 2

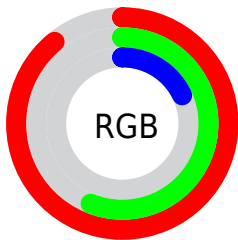
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 207, 228, 47 |
| Decimal | 14978863 |
| CIE Lab | 66.78, 25.02, 60.84 |
| CIE LCh | 67, 65.782, 67.649 |
| Yxy | 36.3441, 0.4914, 0.4219 |
| Android (android.graphics.Color) | 4293168943 (0xFFE48F2F) |
| YUV | 157.4710, -54.4622, 61.8539 |
| Hunter-Lab | 60.2861, 19.8350, 34.8503 |

Details

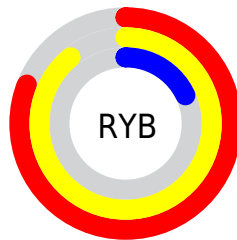
The XYZ color **42.3305, 36.3441, 7.4734** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **23.4268, 22.7075, 76.5467**, and the grayscale version is **32.4736, 34.1647, 37.2054**.

A 20% lighter version of the original color is **63.5065, 62.1126, 20.6984**, and **19.7635, 15.8698, 2.0215** is the 20% darker color. If you saturate the color by 10%, you get **40.4537, 33.1447, 5.1407**, and if you desaturate by 10%, it is **44.6023, 39.9501, 11.1222**.

Distribution



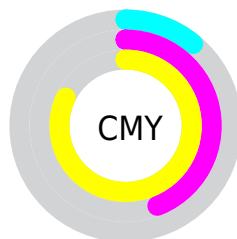
- Red (89%)
- Green (56%)
- Blue (18%)



- Red (81%)
- Yellow (89%)
- Blue (18%)



- Cyan (0%)
- Magenta (37%)
- Yellow (79%)
- Black (11%)





- Cyan (11%)
- Magenta (44%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3305, 36.3441, 7.4734 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 42.3305, 36.3441, 7.4734 by changing the saturation by 10% instead.


 42.3305, 36.3441,
7.4734


 42.3305, 36.3441,
7.4734


346.8195,
330.4620, 181.3188


 29.5524, 24.7001,
3.6770


 77.9616, 69.5628,
21.4483


 19.6455, 15.8537,
1.4499


 101.5453, 91.9063,
32.4639


 12.2444, 9.4207,
0.1802


 129.4617,
118.5851, 46.7229

 6.9837, 5.0166,
0.0000

 162.0759,
149.9836, 64.6439

 3.4982, 2.2570,
0.0000

 199.7535,
186.4861, 86.6455

 1.4223, 0.7508,
0.0000

 242.8597,

 0.2721, 0.0000,

228.4771, 113.1461

0.0000

291.7599,
276.3409, 144.5644

■ 0.0000, 0.0000,
0.0000

■ 42.3305, 36.3441,
7.4734

■ 42.3305, 36.3441,
7.4734

■ 40.4537, 33.1447,
5.1407

■ 44.6023, 39.9501,
11.1222

■ 38.9121, 30.3164,
3.8411

■ 47.3036, 43.9785,
16.2596

■ 38.8241, 30.1526,
3.7738

■ 50.4670, 48.4500,
23.0335

■ 54.1206, 53.3820,
31.5733

■ 58.2898, 58.7907,
41.9953

■ 62.9982, 64.6911,
54.4056

■ 68.2677, 71.0975,
68.9025

■ 74.1189, 78.0235,
85.5777

■ 80.5712, 85.4821,
104.5174

Harmonies

Analogous

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



51.9864, 36.3441, 14.6766



42.3305, 36.3441, 7.4734



32.0628, 36.3441, 6.3429

Triad

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



42.3305, 36.3441, 7.4734



18.8577, 36.3441, 47.3118



47.5776, 36.3441, 100.6272

Complementary

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



42.3305, 36.3441, 7.4734



23.4268, 22.7075, 76.5467

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.



37.1500, 36.3441, 122.3454



42.3305, 36.3441, 7.4734



21.5177, 36.3441, 83.2870

Square

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



42.3305, 36.3441, 7.4734



19.7156, 36.3441, 22.1991



27.7761, 36.3441, 114.8150



55.3981, 36.3441, 64.2396

Rectangle

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



42.3305, 36.3441, 7.4734



26.4148, 36.3441, 8.1994



27.7761, 36.3441, 114.8150



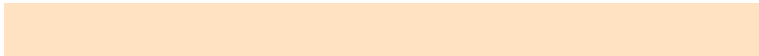
44.1901, 36.3441, 110.5210

Sweetspot

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



42.3313, 36.3460, 7.4741



78.2226, 79.6810, 62.1784



37.3484, 20.2620, 24.6745



16.2857, 16.4791, 12.1129



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.



42.3313, 36.3460, 7.4741



50.8718, 40.4099, 5.4910



59.3024, 71.6966, 13.4030



15.0067, 15.6273, 15.1299



22.5384, 17.6509, 2.2191



1.7583, 1.4900, 0.1949

Inverse Universe

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



23.4268, 22.7075, 76.5467



25.7382, 22.3554, 97.5662



16.3366, 8.3133, 74.1420



14.1381, 14.9975, 18.2940



11.2426, 9.5474, 43.6334



0.9231, 0.8902, 3.2551

Previews

White Background



This preview shows how the XYZ color 42.3305, 36.3441, 7.4734 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 42.3305, 36.3441, 7.4734 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 42.3305, 36.3441, 7.4734

Background



This preview shows how black text looks on a background with the XYZ color 42.3305, 36.3441, 7.4734.



This preview shows how white text looks on a background with the XYZ color 42.3305, 36.3441,

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

42.3305, 36.3441, 7.4734

Protanopia

33.0084, 36.3874, 8.5326

Deuteranopia

37.3161, 36.5890, 7.2861



Tritanopia

47.1634, 36.3874, 30.9233

Trichromacy



Original Color

42.3305, 36.3441, 7.4734

Protanomaly

36.0174, 36.1493, 8.0968

Deuteranomaly

38.9618, 36.4612, 7.3671

Tritanomaly

44.6610, 35.9844, 19.0598

Monochromacy



Original Color

42.3305, 36.3441, 7.4734

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.9676, 33.8081, 21.5650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3305, 36.3441, 7.4734 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, 143, 47)` looks like.

```
.text, #text, p{  
    color:rgb(228, 143, 47)  
}
```

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, 143, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 143, 47) }
```

Border

The CSS property to change the border of an element to XYZ 42.3305, 36.3441, 7.4734 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, 143, 47) }
```


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

```
.border{ border-color:rgb(228, 143, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 143, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 143, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 143, 47);  
box-shadow:4px 4px 4px 4px rgb(228, 143,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3305, 36.3441, 7.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 143, 47) }
```

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

```
.background{ background-color: rgb(228,  
143, 47) }
```

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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