

Converting Colors

XYZ(45.6514, 34.1393, 13.3729)

Have a look what the booklet for
XYZ(45.6514, 34.1393, 13.3729)
contains.

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Color

**XYZ(45.7130, 34.2491,
13.4339)**

Conversions

Conversions Part 1

Format	Color
Hex	F27D58
RGB	242, 125, 88
RGB Percent	95%, 49%, 35%
CMY	0.0510, 0.5098, 0.6549
CMYK	0.00, 0.48, 0.64, 0.05
HSL	14°, 86%, 65%
HSV	14°, 64%, 95%
XYZ	45.7130, 34.2491, 13.4339
YIQ	155.7650, 81.6090, 13.2970

Conversions

Conversions Part 2

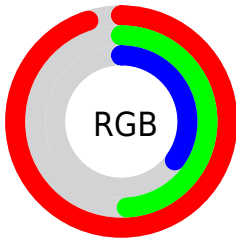
Format	Color
R _Y B	242, 137, 88
Decimal	15891800
CIE Lab	65.16, 41.92, 40.36
CIE LCh	65, 58.193, 43.918
Yxy	34.2491, 0.4895, 0.3667
Android (android.graphics.Color)	4294081880 (0xFFFF27D58)
YUV	155.7650, -33.4081, 75.6281
Hunter-Lab	58.5227, 37.0143, 27.3559

Details

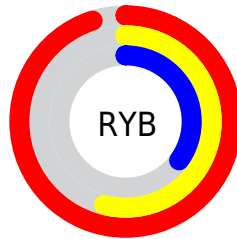
The XYZ color **45.7130, 34.2491, 13.4339** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.8811, 52.1447, 91.8614**, and the grayscale version is **31.6149, 33.2614, 36.2216**.

A 20% lighter version of the original color is **62.0203, 55.3643, 31.8436**, and **21.6052, 14.6285, 3.7827** is the 20% darker color. If you saturate the color by 10%, you get **42.7560, 29.6820, 8.2966**, and if you desaturate by 10%, it is **49.4350, 39.8144, 20.4675**.

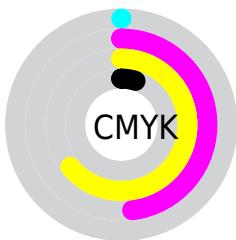
Distribution



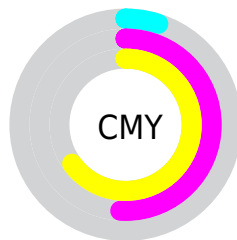
- Red (95%)
- Green (49%)
- Blue (35%)



- Red (95%)
- Yellow (54%)
- Blue (35%)



- Cyan (0%)
- Magenta (48%)
- Yellow (64%)
- Black (5%)





- Cyan (5%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7130, 34.2491, 13.4339 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 45.7130, 34.2491, 13.4339 by changing the saturation by 10% instead.


 45.7130, 34.2491,
13.4339


 45.7130, 34.2491,
13.4339

360.3889,
321.2414, 224.9847


 32.2231, 23.0850,
7.5938


 83.0198, 66.3209,
32.7837

 21.6883, 14.6563,
3.7521


 107.5674, 87.9973,
47.1304


 13.7434, 8.5785,
1.4904


 136.5316,
113.9467, 65.1498

 8.0229, 4.4673,
0.2107

 170.2777,
144.5534, 87.2603

 4.1615, 1.9383,
0.0000

 209.1712,
180.2019, 113.8805

 1.7939, 0.5712,
0.0000

253.5773,

 0.5140, 0.0000,

221.2764, 145.4289

0.0000

303.8614,
268.1614, 182.3241

■ 0.0000, 0.0000,
0.0000

■ 45.7130, 34.2491,
13.4339

■ 45.7130, 34.2491,
13.4339

■ 42.7560, 29.6820,
8.2966

■ 49.4350, 39.8144,
20.4675

■ 40.5033, 26.0463,
4.8648

■ 53.9713, 46.4283,
29.5593

■ 38.8879, 23.2749,
2.9100

■ 59.3695, 54.1440,
40.8558

■ 38.1385, 21.9187,
2.2206

■ 65.6728, 63.0097,
54.4896

■ 72.9214, 73.0705,
70.5828

■ 81.1530, 84.3691,
89.2489

■ 90.0143, 96.7903,
108.5459

■ 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



51.0042, 34.2491, 27.1825



45.7130, 34.2491, 13.4339



37.2634, 34.2491, 8.0711

Triad

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



45.7130, 34.2491, 13.4339



19.3052, 34.2491, 25.8312



36.6188, 34.2491, 103.1331

Complementary

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



45.7130, 34.2491, 13.4339



41.8811, 52.1447, 91.8614

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.



28.2568, 34.2491, 102.2399



45.7130, 34.2491, 13.4339



19.1933, 34.2491, 49.6394

Square

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



45.7130, 34.2491, 13.4339



22.5346, 34.2491, 12.8148



22.1969, 34.2491, 79.7673



45.1712, 34.2491, 81.8473

Rectangle

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



45.7130, 34.2491, 13.4339



31.4552, 34.2491, 7.4696



22.1969, 34.2491, 79.7673



33.6755, 34.2491, 105.6301

Sweetspot

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



45.7138, 34.2509, 13.4345



77.5690, 75.9859, 69.3219



51.2562, 30.3162, 61.5849



16.1141, 15.5841, 13.7574



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.



45.7138, 34.2509, 13.4345



47.4262, 32.2760, 8.1734



59.2503, 61.3238, 17.9467



16.0812, 16.3755, 16.4629



20.5766, 11.9513, 1.2223



1.7866, 1.1439, 0.1266

Inverse Universe

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



41.8811, 52.1447, 91.8614



42.6474, 53.5396, 102.6942



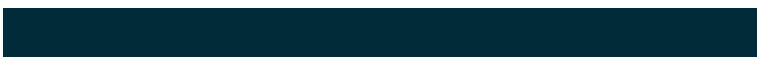
27.9107, 24.2038, 87.2046



15.9068, 17.2477, 20.2124



17.9121, 22.0485, 48.4396



1.5663, 1.9867, 4.0551

Previews

White Background



This preview shows how the XYZ color 45.7130, 34.2491, 13.4339 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 45.7130, 34.2491, 13.4339 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 45.7130, 34.2491, 13.4339

Background



This preview shows how black text looks on a background with the XYZ color 45.7130, 34.2491, 13.4339.



This preview shows how white text looks on a background with the XYZ color 45.7130, 34.2491,

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

45.7130, 34.2491, 13.4339

Protanopia

31.9320, 34.6006, 17.0522

Deuteranopia

35.1336, 34.3599, 12.9640



Tritanopia

47.9210, 34.2246, 24.5024

Trichromacy



Original Color

45.7130, 34.2491, 13.4339

Protanomaly

35.8337, 33.7177, 15.6859

Deuteranomaly

38.4641, 33.9989, 13.1295

Tritanomaly

46.9023, 34.1660, 19.7455

Monochromacy



Original Color

45.7130, 34.2491, 13.4339

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.7156, 32.4543, 25.9073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7130, 34.2491, 13.4339 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(242, 125, 88)` looks like.

```
.text, #text, p{  
    color:rgb(242, 125, 88)  
}
```

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(242, 125, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 125, 88) }
```

Border

The CSS property to change the border of an element to XYZ 45.7130, 34.2491, 13.4339 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(242, 125, 88) }
```


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

```
.border{ border-color:rgb(242, 125, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 125, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 125, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 125, 88);  
box-shadow:4px 4px 4px 4px rgb(242, 125,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7130, 34.2491, 13.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 125, 88) }
```

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

```
.background{ background-color: rgb(242,  
125, 88) }
```

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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