

Converting Colors

XYZ(46.3307, 34.1257, 14.7013)

Have a look what the booklet for
XYZ(46.3307, 34.1257, 14.7013)
contains.

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Color

**XYZ(46.4116, 34.2072,
14.7462)**

Conversions

Conversions Part 1

Format	Color
Hex	F47B5E
RGB	244, 123, 94
RGB Percent	96%, 48%, 37%
CMY	0.0431, 0.5176, 0.6314
CMYK	0.00, 0.50, 0.61, 0.04
HSL	12°, 87%, 66%
HSV	12°, 61%, 96%
XYZ	46.4116, 34.2072, 14.7462
YIQ	155.8730, 81.4250, 16.6330

Conversions

Conversions Part 2

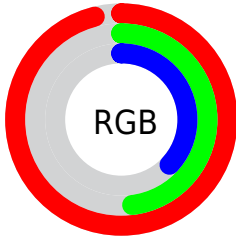
Format	Color
R _Y B	244, 130, 94
Decimal	16022366
CIE Lab	65.13, 44.05, 37.17
CIE LCh	65, 57.632, 40.157
Yxy	34.2072, 0.4867, 0.3587
Android (android.graphics.Color)	4294212446 (0xFFFF47B5E)
YUV	155.8730, -30.5034, 77.2874
Hunter-Lab	58.4869, 39.2944, 25.9922

Details

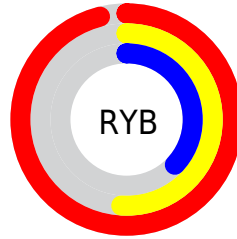
The XYZ color **46.4116, 34.2072, 14.7462** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **45.2440, 57.5087, 94.3032**, and the grayscale version is **31.6507, 33.2990, 36.2626**.

A 20% lighter version of the original color is **62.2712, 55.1451, 34.1501**, and **21.9947, 14.5306, 4.3348** is the 20% darker color. If you saturate the color by 10%, you get **43.2838, 29.4357, 9.1290**, and if you desaturate by 10%, it is **50.3778, 40.1023, 22.3502**.

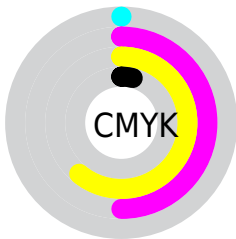
Distribution



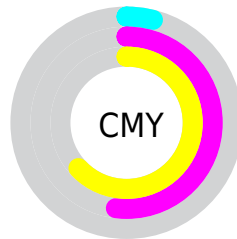
- Red (96%)
- Green (48%)
- Blue (37%)



- Red (96%)
- Yellow (51%)
- Blue (37%)



- Cyan (0%)
- Magenta (50%)
- Yellow (61%)
- Black (4%)





- Cyan (4%)
- Magenta (52%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4116, 34.2072, 14.7462 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 46.4116, 34.2072, 14.7462 by changing the saturation by 10% instead.


 46.4116, 34.2072,
14.7462


 46.4116, 34.2072,
14.7462

363.1492,
321.0550, 233.4125

 32.7767, 23.0528,
8.4968


 84.0588, 66.2558,
35.1433


 22.1139, 14.6325,
4.3222


 108.8018, 87.9187,
50.1281

 14.0577, 8.5619,
1.8037


 137.9782,
113.8533, 68.8618

 8.2428, 4.4565,
0.4304

 171.9534,
144.4440, 91.7629

 4.3038, 1.9321,
0.0000

211.0928,
180.0751, 119.2500

 1.8754, 0.5676,
0.0000

255.7616,

 0.5625, 0.0000,

221.1310, 151.7416

0.0000

306.3253,
267.9962, 189.6562

■ 0.0000, 0.0000,
0.0000

■ 46.4116, 34.2072,
14.7462

■ 46.4116, 34.2072,
14.7462

■ 43.2838, 29.4357,
9.1290

■ 50.3778, 40.1023,
22.3502

■ 40.9284, 25.7097,
5.3083

■ 55.2367, 47.1817,
32.1034

■ 39.2729, 22.9491,
3.0596

■ 61.0404, 55.5078,
44.1537

■ 38.3319, 21.2808,
2.0873

■ 67.8365, 65.1374,
58.6352

■ 75.6691, 76.1235,
75.6716

■ 84.5799, 88.5161,
95.3783

■ 91.1180, 97.9730,
108.7160

Harmonies

Analogous

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



51.0422, 34.2072, 29.7026



46.4116, 34.2072, 14.7462



38.2806, 34.2072, 8.5558

Triad

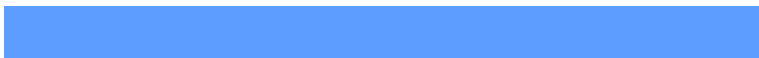
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.4116, 34.2072, 14.7462



19.6149, 34.2072, 23.7020



35.4310, 34.2072, 103.4272

Complementary

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



46.4116, 34.2072, 14.7462



45.2440, 57.5087, 94.3032

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.



27.3558, 34.2072, 99.5030



46.4116, 34.2072, 14.7462



19.1176, 34.2072, 45.9689

Square

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



46.4116, 34.2072, 14.7462



23.2089, 34.2072, 11.9766



21.7094, 34.2072, 75.5232



44.0206, 34.2072, 84.6758

Rectangle

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



46.4116, 34.2072, 14.7462



32.4689, 34.2072, 7.5710



21.7094, 34.2072, 75.5232



32.5570, 34.2072, 104.8589

Sweetspot

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



46.4124, 34.2090, 14.7468



77.8262, 75.9988, 70.9539



53.7703, 32.2224, 68.6906



16.1395, 15.5376, 14.0659



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.



46.4124, 34.2090, 14.7468



47.0617, 31.3158, 8.7649



59.1814, 59.7470, 19.0031



16.7585, 17.0011, 17.1958



20.9170, 11.7195, 1.1596



1.9066, 1.1664, 0.1247

Inverse Universe

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



45.2440, 57.5087, 94.3032



45.5208, 58.7962, 103.5573



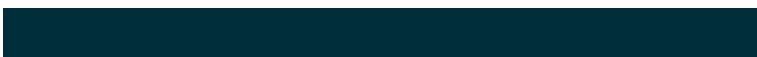
30.5442, 28.1092, 89.4033



16.7085, 18.1812, 21.1713



19.8096, 25.4130, 50.3991



1.8093, 2.3699, 4.4523

Previews

White Background



This preview shows how the XYZ color 46.4116, 34.2072, 14.7462 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 46.4116, 34.2072, 14.7462 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 46.4116, 34.2072, 14.7462

Background



This preview shows how black text looks on a background with the XYZ color 46.4116, 34.2072, 14.7462.



This preview shows how white text looks on a background with the XYZ color 46.4116, 34.2072,

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

46.4116, 34.2072, 14.7462

Protanopia

31.9469, 34.3071, 19.1255

Deuteranopia

34.8621, 34.1919, 14.2135



Tritanopia

48.4336, 34.3188, 24.1501

Trichromacy



Original Color

46.4116, 34.2072, 14.7462

Protanomaly

35.8623, 33.2358, 17.3570

Deuteranomaly

38.5646, 33.8021, 14.3894

Tritanomaly

47.4672, 34.0832, 20.2966

Monochromacy



Original Color

46.4116, 34.2072, 14.7462

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.9459, 32.3313, 26.5890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4116, 34.2072, 14.7462 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(244, 123, 94)` looks like.

```
.text, #text, p{  
    color:rgb(244, 123, 94)  
}
```

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(244, 123, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 123, 94) }
```

Border

The CSS property to change the border of an element to XYZ 46.4116, 34.2072, 14.7462 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(244, 123, 94) }
```


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

```
.border{ border-color:rgb(244, 123, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 123, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 123, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 123, 94);  
box-shadow:4px 4px 4px 4px rgb(244, 123,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4116, 34.2072, 14.7462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 123, 94) }
```

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

```
.background{ background-color: rgb(244,  
123, 94) }
```

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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