

Converting Colors

XYZ(47.2293, 32.9850, 12.8312)

Have a look what the booklet for
XYZ(47.2293, 32.9850, 12.8312)
contains.

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Color

**XYZ(47.0498, 32.8224,
12.8724)**

Conversions

Conversions Part 1

Format	Color
Hex	FA7157
RGB	250, 113, 87
RGB Percent	98%, 44%, 34%
CMY	0.0196, 0.5568, 0.6588
CMYK	0.00, 0.55, 0.65, 0.02
HSL	10°, 94%, 66%
HSV	10°, 65%, 98%
XYZ	47.0498, 32.8224, 12.8724
YIQ	150.9990, 89.9980, 20.9580

Conversions

Conversions Part 2

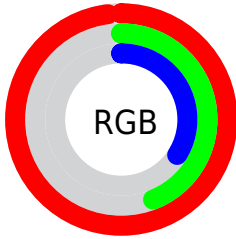
Format	Color
R_{YB}	250, 118, 87
Decimal	16413015
CIE _{Lab}	64.02, 50.63, 39.80
CIE _{LCh}	64, 64.399, 38.173
Yxy	32.8224, 0.5073, 0.3539
Android (android.graphics.Color)	4294603095 (0xFFFA7157)
YUV	150.9990, -31.5515, 86.8239
Hunter-Lab	57.2908, 46.3332, 26.7820

Details

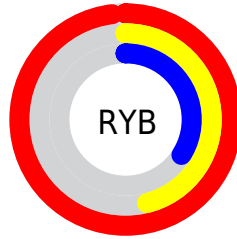
The XYZ color **47.0498, 32.8224, 12.8724** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **47.8393, 62.2354, 99.9332**, and the grayscale version is **29.5200, 31.0573, 33.8214**.

A 20% lighter version of the original color is **59.8301, 51.1002, 30.7547**, and **22.4405, 13.8459, 3.4973** is the 20% darker color. If you saturate the color by 10%, you get **44.1206, 28.3256, 7.6996**, and if you desaturate by 10%, it is **50.8766, 38.5494, 20.0889**.

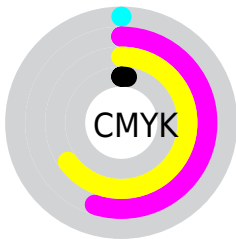
Distribution



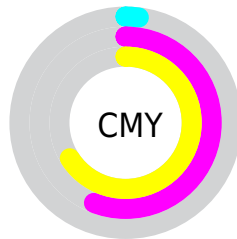
- Red (98%)
- Green (44%)
- Blue (34%)



- Red (98%)
- Yellow (46%)
- Blue (34%)



- Cyan (0%)
- Magenta (55%)
- Yellow (65%)
- Black (2%)





- Cyan (2%)
- Magenta (56%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0498, 32.8224, 12.8724 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 47.0498, 32.8224, 12.8724 by changing the saturation by 10% instead.


 47.0498, 32.8224,
12.8724


 47.0498, 32.8224,
12.8724


365.6589,
314.8487, 221.2773

 33.2831, 21.9904,
7.2110

 85.0062, 64.0982,
31.7622


 22.5037, 13.8499,
3.5140


 109.9267, 85.3107,
45.8277


 14.3462, 8.0163,
1.3627


 139.2959,
110.7523, 63.5316

 8.4451, 4.1054,
0.1124

 173.4790,
140.8072, 85.2926

 4.4353, 1.7327,
0.0000

 212.8416,
175.8599, 111.5291

 1.9512, 0.4447,
0.0000

257.7488,

 0.6063, 0.0000,

216.2948, 142.6597

0.0000

308.5661,
262.4963, 179.1029

■ 0.0000, 0.0000,
0.0000

■ 47.0498, 32.8224,
12.8724

■ 47.0498, 32.8224,
12.8724

■ 44.1206, 28.3256,
7.6996

■ 50.8766, 38.5494,
20.0889

■ 42.0105, 24.9622,
4.3544

■ 55.6660, 45.5830,
29.5318

■ 40.6300, 22.6295,
2.5744

■ 61.4793, 53.9996,
41.3656

■ 40.1792, 21.8340,
2.0967

■ 68.3721, 63.8683,
55.7385

■ 76.3959, 75.2533,
72.7868

85.5987, 88.2152,
92.6372

93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



51.8881, 32.8224, 29.0848



47.0498, 32.8224, 12.8724



38.1554, 32.8224, 6.5031

Triad

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



47.0498, 32.8224, 12.8724



17.6239, 32.8224, 20.1730



33.7476, 32.8224, 111.6915

Complementary

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



47.0498, 32.8224, 12.8724



47.8393, 62.2354, 99.9332

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.



25.1401, 32.8224, 105.2373



47.0498, 32.8224, 12.8724



16.8992, 32.8224, 43.3355

Square

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



47.0498, 32.8224, 12.8724



21.5949, 32.8224, 9.0658



19.3767, 32.8224, 76.4507



43.2912, 32.8224, 91.2865

Rectangle

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



47.0498, 32.8224, 12.8724



31.7571, 32.8224, 5.4249



19.3767, 32.8224, 76.4507



30.6429, 32.8224, 112.7269

Sweetspot

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



47.0506, 32.8242, 12.8730



75.7169, 72.7753, 67.1831



56.4982, 32.6068, 74.9439



15.7101, 14.8717, 13.3274



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.



47.0506, 32.8242, 12.8730



45.4325, 28.4990, 6.8605



60.2034, 59.1299, 17.2572



17.4682, 17.6723, 17.9528



21.3789, 11.7145, 1.1343



2.0428, 1.2104, 0.1260

Inverse Universe

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



47.8393, 62.2354, 99.9332



46.1448, 60.9803, 103.9460



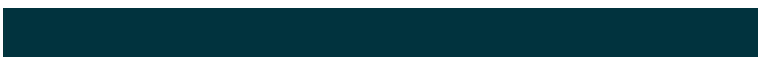
31.1667, 28.8902, 94.3757



17.5162, 19.1091, 22.1505



21.4808, 28.3172, 52.3072



2.0506, 2.7449, 4.8649

Previews

White Background



This preview shows how the XYZ color 47.0498, 32.8224, 12.8724 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 47.0498, 32.8224, 12.8724 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 47.0498, 32.8224, 12.8724

Background



This preview shows how black text looks on a background with the XYZ color 47.0498, 32.8224, 12.8724.



This preview shows how white text looks on a background with the XYZ color 47.0498, 32.8224,

12.8724.

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

47.0498, 32.8224, 12.8724

Protanopia

30.5317, 32.8570, 17.5648

Deuteranopia

33.5237, 32.8354, 12.1604



Tritanopia

48.7659, 32.8937, 20.3019

Trichromacy



Original Color

47.0498, 32.8224, 12.8724

Protanomaly

34.8245, 31.6250, 15.5780

Deuteranomaly

37.3767, 31.9495, 12.3805

Tritanomaly

47.9094, 32.6810, 17.1476

Monochromacy



Original Color

47.0498, 32.8224, 12.8724

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.3355, 30.0146, 24.4585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0498, 32.8224, 12.8724 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(250, 113, 87)` looks like.

```
.text, #text, p{  
    color:rgb(250, 113, 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(250, 113, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 113, 87) }
```

Border

The CSS property to change the border of an element to XYZ 47.0498, 32.8224, 12.8724 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(250, 113, 87) }
```


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

```
.border{ border-color:rgb(250, 113, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 113, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 113, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 113, 87);  
box-shadow:4px 4px 4px 4px rgb(250, 113,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0498, 32.8224, 12.8724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 113, 87) }
```

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

```
.background{ background-color: rgb(250,  
113, 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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