

Converting Colors

XYZ(45.8972, 31.5588, 13.7095)

Have a look what the booklet for
XYZ(45.8972, 31.5588, 13.7095)
contains.

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Color

**XYZ(45.7582, 31.4841,
13.7905)**

Conversions

Conversions Part 1

Format	Color
Hex	F76D5C
RGB	247, 109, 92
RGB Percent	97%, 43%, 36%
CMY	0.0314, 0.5725, 0.6392
CMYK	0.00, 0.56, 0.63, 0.03
HSL	7°, 91%, 66%
HSV	7°, 63%, 97%
XYZ	45.7582, 31.4841, 13.7905
YIQ	148.3240, 87.7050, 23.9690

Conversions

Conversions Part 2

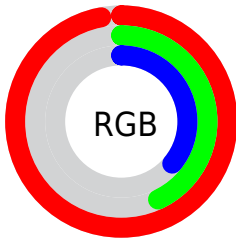
Format	Color
R _Y B	247, 111, 92
Decimal	16215388
CIE Lab	62.91, 51.73, 35.62
CIE LCh	63, 62.805, 34.552
Yxy	31.4841, 0.5027, 0.3459
Android (android.graphics.Color)	4294405468 (0xFFFF76D5C)
YUV	148.3240, -27.7677, 86.5389
Hunter-Lab	56.1107, 47.3728, 24.7056

Details

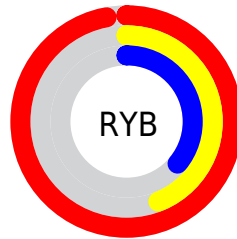
The XYZ color **45.7582, 31.4841, 13.7905** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **49.4968, 65.5801, 98.0448**, and the grayscale version is **28.3714, 29.8490, 32.5055**.

A 20% lighter version of the original color is **59.4734, 49.7941, 32.4632**, and **21.8004, 13.1421, 3.8703** is the 20% darker color. If you saturate the color by 10%, you get **42.7895, 27.0023, 8.3144**, and if you desaturate by 10%, it is **49.6670, 37.2835, 21.3162**.

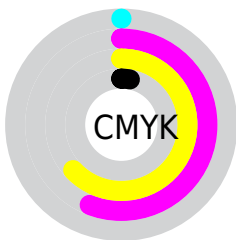
Distribution



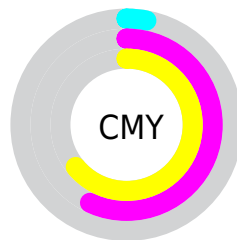
- Red (97%)
- Green (43%)
- Blue (36%)



- Red (97%)
- Yellow (44%)
- Blue (36%)



- Cyan (0%)
- Magenta (56%)
- Yellow (63%)
- Black (3%)





- Cyan (3%)
- Magenta (57%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7582, 31.4841, 13.7905 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 45.7582, 31.4841, 13.7905 by changing the saturation by 10% instead.


 45.7582, 31.4841,
13.7905


 45.7582, 31.4841,
13.7905

360.5679,
308.7624, 227.3065


 32.2589, 20.9678,
7.8380


 83.0871, 62.0014,
33.4286

 21.7158, 13.1004,
3.9052


 107.6474, 82.7712,
47.9513

 13.7637, 7.4977,
1.5735


 136.6253,
107.7276, 66.1678

 8.0371, 3.7753,
0.2718

 170.3863,
137.2550, 88.4967

 4.1707, 1.5487,
0.0000

209.2957,
171.7378, 115.3564

 1.7991, 0.3226,
0.0000

253.7189,

 0.5172, 0.0000,

211.5603, 147.1656

0.0000

304.0212,
257.1071, 184.3428

■ 0.0000, 0.0000,
0.0000

■ 45.7582, 31.4841,
13.7905

■ 45.7582, 31.4841,
13.7905

■ 42.7895, 27.0023,
8.3144

■ 49.6670, 37.2835,
21.3162

■ 40.6783, 23.7295,
4.6836

■ 54.5844, 44.4876,
31.0660


■ 39.3313, 21.5480,
2.6542


■ 60.5754, 53.1821,
43.1974

■ 38.7519, 20.5626,
1.9265

■ 67.6985, 63.4445,
57.8532

■ 76.0081, 75.3467,
75.1651

 85.5551, 88.9563,
95.2555

 92.1676, 98.5141,
108.7651

Harmonies

Analogous

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



49.6762, 31.4841, 30.6498



45.7582, 31.4841, 13.7905



37.6273, 31.4841, 6.7995

Triad

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



45.7582, 31.4841, 13.7905



17.3139, 31.4841, 17.6607



31.2595, 31.4841, 106.7183

Complementary

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



45.7582, 31.4841, 13.7905



49.4968, 65.5801, 98.0448

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.



23.3522, 31.4841, 97.4964



45.7582, 31.4841, 13.7905



16.2558, 31.4841, 38.1878

Square

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



45.7582, 31.4841, 13.7905



21.4738, 31.4841, 8.1629



18.2434, 31.4841, 68.8683



40.3445, 31.4841, 90.1279

Rectangle

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



45.7582, 31.4841, 13.7905



31.5263, 31.4841, 5.4126



18.2434, 31.4841, 68.8683



28.3783, 31.4841, 106.5803

Sweetspot

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



45.7589, 31.4858, 13.7910



75.9576, 72.7631, 68.7847



56.6794, 33.2263, 79.3979



15.7318, 14.8195, 13.6299



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.



45.7589, 31.4858, 13.7910



45.3860, 28.0827, 7.8417



57.6384, 55.2448, 17.7509



16.6455, 16.7751, 17.1582



20.5439, 10.9734, 1.0353



1.8528, 1.0588, 0.1067

Inverse Universe

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



49.4968, 65.5801, 98.0448



49.5752, 67.1558, 104.9572



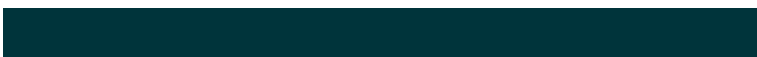
32.7578, 32.1021, 92.4651



16.8323, 18.4289, 21.2125



22.4651, 30.7240, 51.2843



2.0180, 2.7873, 4.5219

Previews

White Background



This preview shows how the XYZ color 45.7582, 31.4841, 13.7905 looks on a white background.

Color Contrast Check

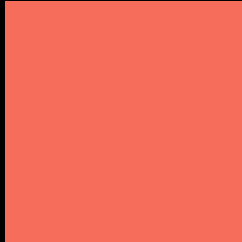
Large Text (above 18pt) WCAG AA × Fail

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 45.7582, 31.4841, 13.7905 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 45.7582, 31.4841, 13.7905

Background



This preview shows how black text looks on a background with the XYZ color 45.7582, 31.4841, 13.7905.



This preview shows how white text looks on a background with the XYZ color 45.7582, 31.4841,

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

45.7582, 31.4841, 13.7905

Protanopia

29.2984, 31.4531, 18.9949

Deuteranopia

32.1683, 31.6527, 13.0085



Tritanopia

46.8461, 31.4568, 19.2255

Trichromacy



Original Color

45.7582, 31.4841, 13.7905

Protanomaly

33.5005, 30.0569, 16.8679

Deuteranomaly

36.1614, 30.8895, 13.2889

Tritanomaly

46.5189, 31.4918, 16.9913

Monochromacy



Original Color

45.7582, 31.4841, 13.7905

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.1885, 28.7991, 24.2843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7582, 31.4841, 13.7905 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(247, 109, 92)` looks like.

```
.text, #text, p{  
    color:rgb(247, 109, 92)  
}
```

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(247, 109, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 109, 92) }
```

Border

The CSS property to change the border of an element to XYZ 45.7582, 31.4841, 13.7905 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(247, 109, 92) }
```


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

```
.border{ border-color:rgb(247, 109, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 109, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 109, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 109, 92);  
box-shadow:4px 4px 4px 4px rgb(247, 109,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7582, 31.4841, 13.7905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 109, 92) }
```

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

```
.background{ background-color: rgb(247,  
109, 92) }
```

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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