

Converting Colors

XYZ(45.2987, 30.0489, 12.3514)

Have a look what the booklet for
XYZ(45.2987, 30.0489, 12.3514)
contains.

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Color

**XYZ(45.4409, 30.1352,
12.4385)**

Conversions

Conversions Part 1

Format	Color
Hex	F96557
RGB	249, 101, 87
RGB Percent	98%, 40%, 34%
CMY	0.0235, 0.6039, 0.6588
CMYK	0.00, 0.59, 0.65, 0.02
HSL	5°, 93%, 66%
HSV	5°, 65%, 98%
XYZ	45.4409, 30.1352, 12.4385
YIQ	143.6560, 92.7020, 27.0220

Conversions

Conversions Part 2

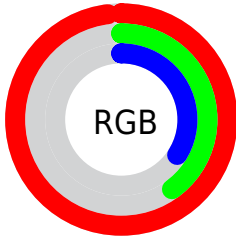
Format	Color
R _Y B	249, 102, 87
Decimal	16344407
CIE Lab	61.77, 55.75, 37.04
CIE LCh	62, 66.933, 33.604
Yxy	30.1352, 0.5163, 0.3424
Android (android.graphics.Color)	4294534487 (0xFFFF96557)
YUV	143.6560, -27.9314, 92.3867
Hunter-Lab	54.8955, 51.6898, 24.9927

Details

The XYZ color **45.4409, 30.1352, 12.4385** 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 **50.7352, 68.2775, 100.1269**, and the grayscale version is **26.4547, 27.8324, 30.3095**.

A 20% lighter version of the original color is **57.8123, 47.1801, 29.7265**, and **21.5138, 12.3270, 3.3433** is the 20% darker color. If you saturate the color by 10%, you get **42.6820, 25.9747, 7.3360**, and if you desaturate by 10%, it is **49.1629, 35.6615, 19.5925**.

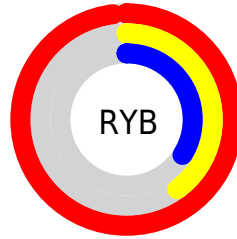
Distribution



Red (98%)

Green (40%)

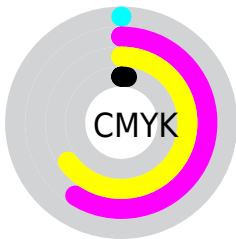
Blue (34%)



Red (98%)

Yellow (40%)

Blue (34%)

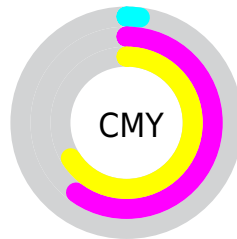


Cyan (0%)

Magenta (59%)

Yellow (65%)

Black (2%)



Cyan (2%)


Magenta (60%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4409, 30.1352, 12.4385 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 45.4409, 30.1352, 12.4385 by changing the saturation by 10% instead.


 45.4409, 30.1352,
12.4385


 45.4409, 30.1352,
12.4385


359.3100,
302.5341, 218.3670

 32.0076, 19.9412,
6.9169


 82.6146, 59.8759,
30.9675

 21.5229, 12.3523,
3.3325


 107.0858, 80.1915,
44.8120


 13.6214, 6.9841,
1.2668


 135.9669,
104.6497, 62.2679

 7.9377, 3.4522,
0.0344

 169.6234,
133.6349, 83.7537

 4.1066, 1.3721,
0.0000

 208.4206,
167.5316, 109.6880

 1.7626, 0.1960,
0.0000

252.7239,

 0.4950, 0.0000,

206.7241, 140.4893

0.0000

302.8986,
251.5968, 176.5761

■ 0.0000, 0.0000,
0.0000

■ 45.4409, 30.1352,
12.4385

■ 45.4409, 30.1352,
12.4385

■ 42.6820, 25.9747,
7.3360

■ 49.1629, 35.6615,
19.5925

■ 40.7946, 23.0561,
4.0670

■ 53.9243, 42.6532,
28.9828

■ 39.6724, 21.2418,
2.3667

■ 59.7962, 51.2065,
40.7754

■ 39.3447, 20.6957,
1.9210

■ 66.8425, 61.4081,
55.1199

■ 75.1226, 73.3381,
72.1539

84.6916, 87.0716,
92.0052

92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



49.4049, 30.1352, 29.8195



45.4409, 30.1352, 12.4385



36.9675, 30.1352, 5.5449

Triad

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



45.4409, 30.1352, 12.4385



15.8589, 30.1352, 15.4562



29.7346, 30.1352, 110.3407

Complementary

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



45.4409, 30.1352, 12.4385



50.7352, 68.2775, 100.1269

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.



21.6719, 30.1352, 99.4398



45.4409, 30.1352, 12.4385



14.7048, 30.1352, 35.9985

Square

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



45.4409, 30.1352, 12.4385



20.1577, 30.1352, 6.5435



16.5973, 30.1352, 68.2118



39.2262, 30.1352, 93.1111

Rectangle

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



45.4409, 30.1352, 12.4385



30.5968, 30.1352, 4.1990



16.5973, 30.1352, 68.2118



26.7734, 30.1352, 109.8729

Sweetspot

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



45.4416, 30.1369, 12.4390



74.7951, 70.9316, 66.8758



57.5427, 32.9832, 82.3097



15.4938, 14.4392, 13.2553



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.



45.4416, 30.1369, 12.4390



44.3585, 26.3510, 6.5025



57.4128, 54.0792, 16.4294



17.3652, 17.4663, 17.9185



21.1019, 11.1605, 1.0420



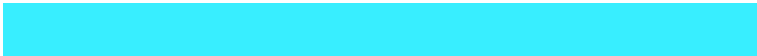
1.9942, 1.1133, 0.1098

Inverse Universe

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



50.7352, 68.2775, 100.1269



50.2031, 69.0969, 105.2988



32.6677, 32.1425, 94.1044



17.6299, 19.3367, 22.1885



23.9783, 33.3122, 53.1397



2.2574, 3.1585, 4.9339

Previews

White Background



This preview shows how the XYZ color 45.4409, 30.1352, 12.4385 looks on a white background.

Color Contrast Check

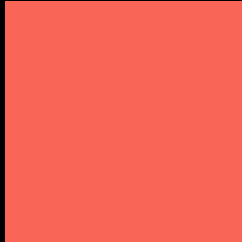
Large Text (above 18pt) WCAG AA × Fail

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 45.4409, 30.1352, 12.4385 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 45.4409, 30.1352, 12.4385

Background



This preview shows how black text looks on a background with the XYZ color 45.4409, 30.1352, 12.4385.



This preview shows how white text looks on a background with the XYZ color 45.4409, 30.1352,

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

45.4409, 30.1352, 12.4385

Protanopia

28.0469, 30.1126, 17.9697

Deuteranopia

30.7622, 30.2767, 11.6198



Tritanopia

46.3418, 30.0793, 16.7280

Trichromacy



Original Color

45.4409, 30.1352, 12.4385

Protanomaly

32.4957, 28.7408, 15.6392

Deuteranomaly

34.9743, 29.3129, 11.7973

Tritanomaly

46.0908, 30.1295, 14.9416

Monochromacy



Original Color

45.4409, 30.1352, 12.4385

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.5857, 26.8135, 22.3024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4409, 30.1352, 12.4385 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(249, 101, 87)` looks like.

```
.text, #text, p{  
    color:rgb(249, 101, 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(249, 101, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 101, 87) }
```

Border

The CSS property to change the border of an element to XYZ 45.4409, 30.1352, 12.4385 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(249, 101, 87) }
```


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

```
.border{ border-color:rgb(249, 101, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 101, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 101, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 101, 87);  
box-shadow:4px 4px 4px 4px rgb(249, 101,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4409, 30.1352, 12.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 101, 87) }
```

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

```
.background{ background-color: rgb(249,  
101, 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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