

Converting Colors

XYZ(47.4040, 30.7726, 12.6639)

Have a look what the booklet for
XYZ(47.4040, 30.7726, 12.6639)
contains.

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Color

**XYZ(47.3691, 30.6999,
12.6616)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6258
RGB	255, 98, 88
RGB Percent	100%, 38%, 35%
CMY	0.0000, 0.6156, 0.6549
CMYK	0.00, 0.62, 0.65, 0.00
HSL	4°, 100%, 67%
HSV	4°, 65%, 100%
XYZ	47.3691, 30.6999, 12.6616
YIQ	143.8030, 96.7820, 30.1740

Conversions

Conversions Part 2

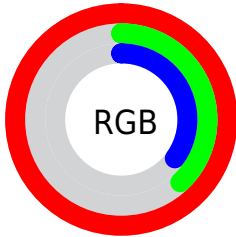
Format	Color
R _{YB}	255, 99, 88
Decimal	16736856
CIE Lab	62.25, 59.12, 37.30
CIE LCh	62, 69.904, 32.248
Yxy	30.6999, 0.5221, 0.3384
Android (android.graphics.Color)	4294926936 (0xFFFF6258)
YUV	143.8030, -27.5109, 97.5198
Hunter-Lab	55.4075, 55.6405, 25.2364

Details

The XYZ color **47.3691, 30.6999, 12.6616** 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 **54.7241, 74.5939, 106.1209**, and the grayscale version is **26.5112, 27.8918, 30.3742**.

A 20% lighter version of the original color is **57.3830, 46.2062, 29.9390**, and **22.5969, 12.6298, 3.4373** is the 20% darker color. If you saturate the color by 10%, you get **44.5744, 26.5158, 7.3986**, and if you desaturate by 10%, it is **51.2059, 36.3779, 20.0939**.

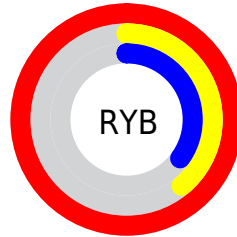
Distribution



Red (100%)

Green (38%)

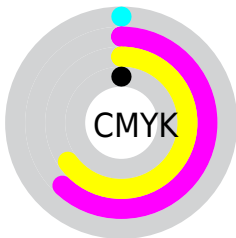
Blue (35%)



Red (100%)

Yellow (39%)

Blue (35%)

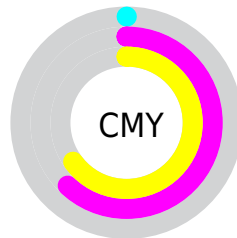


Cyan (0%)

Magenta (62%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3691, 30.6999, 12.6616 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 47.3691, 30.6999, 12.6616 by changing the saturation by 10% instead.


 47.3691, 30.6999,
12.6616


 47.3691, 30.6999,
12.6616


366.9103,
305.1534, 219.8685


 33.5367, 20.3704,
7.0680


 85.4797, 60.7673,
31.3767

 22.6991, 12.6646,
3.4255


 110.4886, 81.2740,
45.3352


 14.4910, 7.1980,
1.3158


 139.9538,
105.9419, 62.9192

 8.5469, 3.5862,
0.0747

 174.2405,
135.1554, 84.5470

 4.5016, 1.4449,
0.0000

 213.7141,
169.2989, 110.6374

 1.9896, 0.2495,
0.0000

258.7401,

 0.6281, 0.0000,

208.7568, 141.6087

0.0000

309.6837,
253.9135, 177.8795

■ 0.0000, 0.0000,
0.0000

■ 47.3691, 30.6999,
12.6616

■ 47.3691, 30.6999,
12.6616

■ 44.5744, 26.5158,
7.3986

■ 51.2059, 36.3779,
20.0939

■ 42.7171, 23.6803,
4.0697

■ 56.1716, 43.6672,
29.8945


■ 41.6746, 22.0282,
2.3874

■ 62.3465, 52.6795,
42.2417

■ 41.4146, 21.6095,
1.9883

■ 69.8028, 63.5150,
57.2963

■ 78.6071, 76.2663,
75.2057

 88.8214, 91.0196,
96.1068

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



51.3203, 30.6999, 31.4300



47.3691, 30.6999, 12.6616



38.4684, 30.6999, 5.3071

Triad

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



47.3691, 30.6999, 12.6616



15.8889, 30.6999, 14.6011



29.8968, 30.6999, 116.8600

Complementary

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



47.3691, 30.6999, 12.6616



54.7241, 74.5939, 106.1209

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.



21.5207, 30.6999, 103.7121



47.3691, 30.6999, 12.6616



14.5464, 30.6999, 35.5068

Square

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



47.3691, 30.6999, 12.6616



20.5301, 30.6999, 5.9274



16.3682, 30.6999, 69.5211



39.9695, 30.6999, 99.4366

Rectangle

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



47.3691, 30.6999, 12.6616



31.6954, 30.6999, 3.8519



16.3682, 30.6999, 69.5211



26.8001, 30.6999, 115.8613

Sweetspot

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



47.3698, 30.7016, 12.6621



74.4656, 70.2727, 66.7660



61.4640, 34.9333, 91.2155



15.4167, 14.2851, 13.2296



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.



47.3698, 30.7016, 12.6621



43.8216, 25.3747, 6.0230



59.2922, 54.5465, 16.6362



18.0967, 18.1616, 18.6961



21.6738, 11.3589, 1.0501



2.1396, 1.1646, 0.1120

Inverse Universe

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



54.7241, 74.5939, 106.1209



51.5759, 72.0492, 105.7963



35.1984, 35.5425, 99.6124



18.4561, 20.2839, 23.1924



25.7100, 36.3296, 55.0918



2.5305, 3.5916, 5.3732

Previews

White Background



This preview shows how the XYZ color 47.3691, 30.6999, 12.6616 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 47.3691, 30.6999, 12.6616 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 47.3691, 30.6999, 12.6616

Background



This preview shows how black text looks on a background with the XYZ color 47.3691, 30.6999, 12.6616.



This preview shows how white text looks on a background with the XYZ color 47.3691, 30.6999,

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

47.3691, 30.6999, 12.6616

Protanopia

28.6737, 30.8973, 18.6399

Deuteranopia

31.4288, 30.8400, 11.8857



Tritanopia

47.9130, 30.7687, 15.9840

Trichromacy



Original Color

47.3691, 30.6999, 12.6616

Protanomaly

33.3652, 29.1779, 16.1853

Deuteranomaly

35.7290, 29.5049, 11.9955

Tritanomaly

47.6724, 30.6725, 14.7170

Monochromacy



Original Color

47.3691, 30.6999, 12.6616

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.9946, 26.8243, 22.6128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3691, 30.6999, 12.6616 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(255, 98, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 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(255, 98, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 88) }
```

Border

The CSS property to change the border of an element to XYZ 47.3691, 30.6999, 12.6616 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(255, 98, 88) }
```


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

```
.border{ border-color:rgb(255, 98, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3691, 30.6999, 12.6616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 88) }
```

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

```
.background{ background-color: rgb(255, 98,  
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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