

Converting Colors

XYZ(91.4185, 54.0142, 14.2418)

Have a look what the booklet for
XYZ(91.4185, 54.0142, 14.2418)
contains.

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Color

**XYZ(47.6311, 31.4186,
12.1483)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6655
RGB	255, 102, 85
RGB Percent	100%, 40%, 33%
CMY	0.0000, 0.6000, 0.6667
CMYK	0.00, 0.60, 0.67, 0.00
HSL	6°, 100%, 67%
HSV	6°, 67%, 100%
XYZ	47.6311, 31.4186, 12.1483
YIQ	145.8090, 96.6450, 27.1490

Conversions

Conversions Part 2

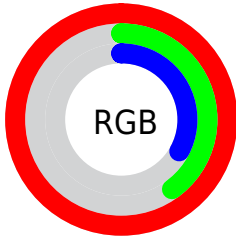
Format	Color
R_{YB}	255, 104, 85
Decimal	16737877
CIE _{Lab}	62.86, 57.24, 39.68
CIE _{LCh}	63, 69.648, 34.733
Yxy	31.4186, 0.5223, 0.3445
Android (android.graphics.Color)	4294927957 (0xFFFF6655)
YUV	145.8090, -29.9788, 95.7605
Hunter-Lab	56.0523, 53.5910, 26.3866

Details

The XYZ color **47.6311, 31.4186, 12.1483** 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 **52.3683, 70.2953, 105.4155**, and the grayscale version is **27.3358, 28.7594, 31.3190**.

A 20% lighter version of the original color is **57.8400, 47.4630, 29.0344**, and **22.7527, 13.0242, 3.2342** is the 20% darker color. If you saturate the color by 10%, you get **44.8426, 27.1816, 7.0893**, and if you desaturate by 10%, it is **51.4099, 37.0532, 19.3377**.

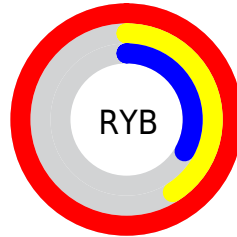
Distribution



Red (100%)

Green (40%)

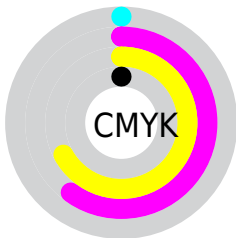
Blue (33%)



Red (100%)

Yellow (41%)

Blue (33%)

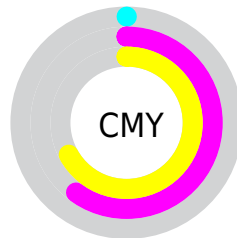


Cyan (0%)

Magenta (60%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6311, 31.4186, 12.1483 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 47.6311, 31.4186, 12.1483 by changing the saturation by 10% instead.


 47.6311, 31.4186,
12.1483

 47.6311, 31.4186,
12.1483


367.9350,
308.4622, 216.3973

 33.7449, 20.9178,
6.7210


 85.8679, 61.8985,
30.4333

 22.8596, 13.0639,
3.2124


 110.9492, 82.6464,
44.1282


 14.6100, 7.4726,
1.2041


 140.4929,
107.5788, 61.4159

 8.6307, 3.7594,
0.0000

 174.8644,
137.0802, 82.7151

 4.5563, 1.5399,
0.0000

 214.4290,
171.5347, 108.4443

 2.0214, 0.3166,
0.0000

259.5520,

 0.6459, 0.0000,

211.3270, 139.0220

0.0000

310.5989,
256.8414, 174.8668

■ 0.0000, 0.0000,
0.0000

■ 47.6311, 31.4186,
12.1483

■ 47.6311, 31.4186,
12.1483

■ 44.8426, 27.1816,
7.0893

■ 51.4099, 37.0532,
19.3377

■ 42.9482, 24.2146,
3.9237

■ 56.2591, 44.1881,
28.8569


■ 41.8348, 22.3753,
2.3581

■ 62.2527, 52.9220,
40.8842

■ 41.5985, 21.9773,
2.0496

■ 69.4578, 63.3442,
55.5800

■ 77.9359, 75.5370,
73.0915

 87.7448, 89.5775,
93.5551

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



52.1463, 31.4186, 30.0528



47.6311, 31.4186, 12.1483



38.4031, 31.4186, 5.2903

Triad

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



47.6311, 31.4186, 12.1483



16.1482, 31.4186, 16.3185



31.4027, 31.4186, 117.9000

Complementary

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



47.6311, 31.4186, 12.1483



52.3683, 70.2953, 105.4155

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.



22.6924, 31.4186, 107.1756



47.6311, 31.4186, 12.1483



15.0499, 31.4186, 38.7328

Square

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



47.6311, 31.4186, 12.1483



20.5773, 31.4186, 6.6409



17.1744, 31.4186, 73.7543



41.5895, 31.4186, 98.1545

Rectangle

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



47.6311, 31.4186, 12.1483



31.5796, 31.4186, 4.0225



17.1744, 31.4186, 73.7543



28.2087, 31.4186, 117.8025

Sweetspot

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



47.6318, 31.4204, 12.1488



74.9647, 71.2709, 66.9323



59.9210, 33.9301, 84.2796



15.5335, 14.5187, 13.2685



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.



47.6318, 31.4204, 12.1488



44.1169, 26.0578, 5.8364



60.6499, 57.4565, 16.4882



18.1555, 18.2793, 18.7157



21.7839, 11.5791, 1.0869



2.1674, 1.2201, 0.1213

Inverse Universe

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



52.3683, 70.2953, 105.4155



49.0063, 67.1059, 104.9776



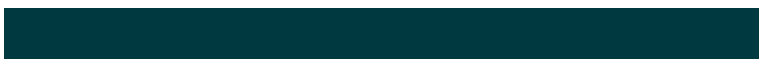
33.1876, 31.9339, 99.0220



18.3904, 20.1524, 23.1705



24.2060, 33.3217, 54.5905



2.3999, 3.3305, 5.3296

Previews

White Background



This preview shows how the XYZ color 47.6311, 31.4186, 12.1483 looks on a white background.

Color Contrast Check

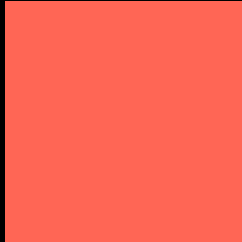
Large Text (above 18pt) WCAG AA × Fail

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 47.6311, 31.4186, 12.1483 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 47.6311, 31.4186, 12.1483

Background



This preview shows how black text looks on a background with the XYZ color 47.6311, 31.4186, 12.1483.



This preview shows how white text looks on a background with the XYZ color 47.6311, 31.4186,

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

47.6311, 31.4186, 12.1483

Protanopia

29.2440, 31.4553, 17.6269

Deuteranopia

31.9585, 31.3514, 11.3882



Tritanopia

48.3987, 31.4150, 17.1485

Trichromacy



Original Color

47.6311, 31.4186, 12.1483

Protanomaly

33.9715, 29.9190, 15.2937

Deuteranomaly

36.4496, 30.2767, 11.5123

Tritanomaly

48.0983, 31.4492, 15.0905

Monochromacy



Original Color

47.6311, 31.4186, 12.1483

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.8704, 27.8596, 22.7665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6311, 31.4186, 12.1483 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, 102, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 85)  
}
```

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, 102, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 85) }
```

Border

The CSS property to change the border of an element to XYZ 47.6311, 31.4186, 12.1483 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, 102, 85) }
```


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

```
.border{ border-color:rgb(255, 102, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6311, 31.4186, 12.1483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 85) }
```

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

```
.background{ background-color: rgb(255,  
102, 85) }
```

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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