

Converting Colors

XYZ(47.4242, 31.5869, 7.7436)

Have a look what the booklet for
XYZ(47.4242, 31.5869, 7.7436)
contains.

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Color

**XYZ(46.8797, 31.2763,
7.7038)**

Conversions

Conversions Part 1

Format	Color
Hex	FF673B
RGB	255, 103, 59
RGB Percent	100%, 40%, 23%
CMY	0.0000, 0.5960, 0.7686
CMYK	0.00, 0.60, 0.77, 0.00
HSL	13°, 100%, 62%
HSV	13°, 77%, 100%
XYZ	46.8797, 31.2763, 7.7038
YIQ	143.4320, 104.7160, 18.5400

Conversions

Conversions Part 2

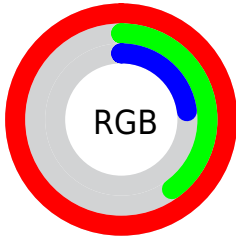
Format	Color
R_{YB}	255, 116, 59
Decimal	16738107
CIE Lab	62.74, 55.65, 53.04
CIE LCh	63, 76.879, 43.622
Yxy	31.2763, 0.5460, 0.3643
Android (android.graphics.Color)	4294928187 (0xFFFF673B)
YUV	143.4320, -41.6250, 97.8451
Hunter-Lab	55.9252, 51.7597, 30.9803

Details

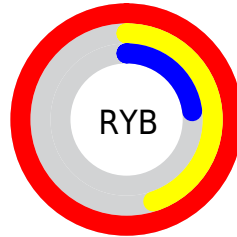
The XYZ color **46.8797, 31.2763, 7.7038** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.1457, 54.7340, 102.8978**, and the grayscale version is **26.4147, 27.7903, 30.2636**.

A 20% lighter version of the original color is **56.3985, 47.1604, 20.5983**, and **22.5012, 13.0457, 1.5331** is the 20% darker color. If you saturate the color by 10%, you get **44.6326, 27.5951, 4.4500**, and if you desaturate by 10%, it is **49.9159, 36.0202, 12.8126**.

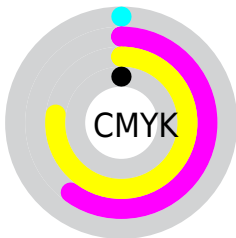
Distribution



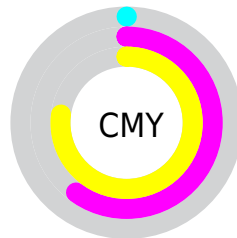
- Red (100%)
- Green (40%)
- Blue (23%)



- Red (100%)
- Yellow (45%)
- Blue (23%)



- Cyan (0%)
- Magenta (60%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8797, 31.2763, 7.7038 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 46.8797, 31.2763, 7.7038 by changing the saturation by 10% instead.


 46.8797, 31.2763,
7.7038


 46.8797, 31.2763,
7.7038


364.9911,
307.8092, 183.2369

 33.1481, 20.8093,
3.8210


 84.7539, 61.6748,
21.9122

 22.3997, 12.9847,
1.5276

 109.6271, 82.3752,
33.0748


 14.2691, 7.4180,
0.2384


 138.9450,
107.2554, 47.5012

 8.3910, 3.7249,
0.0000

 173.0729,
136.7000, 65.6097

 4.4001, 1.5209,
0.0000

 212.3761,
171.0932, 87.8190

 1.9309, 0.3034,
0.0000

 257.2199,

 0.5947, 0.0000,

210.8196, 114.5476

0.0000

307.9698,
256.2635, 146.2141

■ 0.0000, 0.0000,
0.0000

■ 46.8797, 31.2763,
7.7038

■ 46.8797, 31.2763,
7.7038

■ 44.6326, 27.5951,
4.4500

■ 49.9159, 36.0202,
12.8126

■ 43.0867, 24.8837,
2.7619


■ 53.8106, 41.8983,
20.0033


■ 42.7155, 24.2115,
2.4219

■ 58.6273, 48.9813,
29.4716

■ 64.4228, 57.3329,
41.3898

■ 71.2488, 67.0118,
55.9137

 79.1535, 78.0733,
73.1860

 88.1819, 90.5691,
93.3391

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.



53.9991, 31.2763, 22.1652



46.8797, 31.2763, 7.7038



35.7948, 31.2763, 3.2437

Triad

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



46.8797, 31.2763, 7.7038



14.2528, 31.2763, 20.2077



34.7433, 31.2763, 126.9029

Complementary

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



46.8797, 31.2763, 7.7038



43.1457, 54.7340, 102.8978

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.



24.3872, 31.2763, 125.1801



46.8797, 31.2763, 7.7038



14.0993, 31.2763, 49.5785

Square

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



46.8797, 31.2763, 7.7038



17.8550, 31.2763, 6.9963



17.3705, 31.2763, 91.5925



45.9553, 31.2763, 95.4498

Rectangle

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



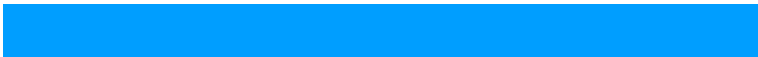
46.8797, 31.2763, 7.7038



28.4691, 31.2763, 2.8001



17.3705, 31.2763, 91.5925



31.0218, 31.2763, 130.5717

Sweetspot

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



46.8804, 31.2781, 7.7043



74.1717, 71.1175, 62.2514



54.7548, 29.1684, 65.3847



15.2896, 14.3988, 12.0528



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.



46.8804, 31.2781, 7.7043



43.7574, 26.0870, 3.4097



62.5601, 62.6375, 12.9309



18.3401, 18.6484, 18.7772



22.4106, 12.8324, 1.2957



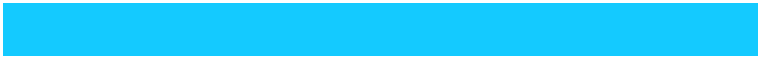
2.2594, 1.4042, 0.1520

Inverse Universe

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



43.1457, 54.7340, 102.8978



39.5434, 49.7664, 102.1295



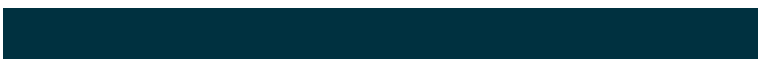
25.9314, 20.3053, 97.1597



18.1886, 19.7488, 23.1032



20.0698, 25.0491, 53.2118



2.0349, 2.6006, 5.2080

Previews

White Background



This preview shows how the XYZ color 46.8797, 31.2763, 7.7038 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 46.8797, 31.2763, 7.7038 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 46.8797, 31.2763, 7.7038

Background



This preview shows how black text looks on a background with the XYZ color 46.8797, 31.2763, 7.7038.



This preview shows how white text looks on a background with the XYZ color 46.8797, 31.2763,

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

46.8797, 31.2763, 7.7038

Protanopia

28.5793, 31.2623, 10.8313

Deuteranopia

31.9926, 31.2363, 7.1393



Tritanopia

48.2516, 31.2036, 16.8444

Trichromacy



Original Color

46.8797, 31.2763, 7.7038

Protanomaly

33.3879, 29.7469, 9.4508

Deuteranomaly

36.2016, 30.2446, 7.1786

Tritanomaly

47.5586, 31.0789, 12.7247

Monochromacy



Original Color

46.8797, 31.2763, 7.7038

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

30.4110, 26.7985, 18.8990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8797, 31.2763, 7.7038 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, 103, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 59)  
}
```

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, 103, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 59) }
```

Border

The CSS property to change the border of an element to XYZ 46.8797, 31.2763, 7.7038 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, 103, 59) }
```


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

```
.border{ border-color:rgb(255, 103, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8797, 31.2763, 7.7038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 59) }
```

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

```
.background{ background-color: rgb(255,  
103, 59) }
```

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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