

Converting Colors

XYZ(67.2912, 41.5287, 11.7230)

Have a look what the booklet for
XYZ(67.2912, 41.5287, 11.7230)
contains.

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Color

**XYZ(47.3665, 31.3128,
10.7552)**

Conversions

Conversions Part 1

Format	Color
Hex	FF664E
RGB	255, 102, 78
RGB Percent	100%, 40%, 31%
CMY	0.0000, 0.6000, 0.6941
CMYK	0.00, 0.60, 0.69, 0.00
HSL	8°, 100%, 65%
HSV	8°, 69%, 100%
XYZ	47.3665, 31.3128, 10.7552
YIQ	145.0110, 98.8920, 24.9720

Conversions

Conversions Part 2

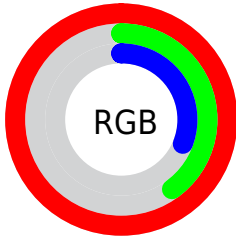
Format	Color
RYB	255, 106, 78
Decimal	16737870
CIELab	62.77, 56.88, 43.36
CIElCh	63, 71.525, 37.317
Yxy	31.3128, 0.5296, 0.3501
Android (android.graphics.Color)	4294927950 (0xFFFF664E)
YUV	145.0110, -33.0364, 96.4604
Hunter-Lab	55.9578, 53.1682, 27.7748

Details

The XYZ color **47.3665, 31.3128, 10.7552** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed orange. A complement of this color would be **49.7651, 65.9863, 104.7208**, and the grayscale version is **27.0213, 28.4285, 30.9586**.

A 20% lighter version of the original color is **57.3631, 47.2722, 26.5232**, and **22.6473, 12.9820, 2.6786** is the 20% darker color. If you saturate the color by 10%, you get **44.7373, 27.2451, 6.2092**, and if you desaturate by 10%, it is **50.9271, 36.6772, 17.3595**.

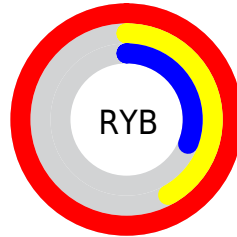
Distribution



Red (100%)

Green (40%)

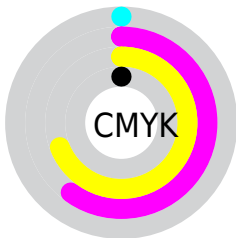
Blue (31%)



Red (100%)

Yellow (42%)

Blue (31%)

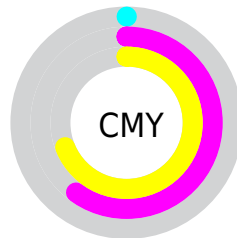


Cyan (0%)

Magenta (60%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3665, 31.3128, 10.7552 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 47.3665, 31.3128, 10.7552 by changing the saturation by 10% instead.


 47.3665, 31.3128,
10.7552


 47.3665, 31.3128,
10.7552


366.9001,
307.9768, 206.6571

 33.5346, 20.8372,
5.7904


 85.4759, 61.7322,
27.8363


 22.6975, 13.0050,
2.6513


 110.4841, 82.4448,
40.7896


 14.4898, 7.4320,
0.9188


 139.9484,
107.3384, 57.2429

 8.5461, 3.7337,
0.0000

 174.2343,
136.7975, 77.6147

 4.5010, 1.5257,
0.0000

 213.7070,
171.2065, 102.3234

 1.9893, 0.3067,
0.0000

258.7320,

 0.6279, 0.0000,

210.9498, 131.7877

0.0000

309.6746,
256.4118, 166.4261

■ 0.0000, 0.0000,
0.0000

■ 47.3665, 31.3128,
10.7552

■ 47.3665, 31.3128,
10.7552

■ 44.7373, 27.2451,
6.2092

■ 50.9271, 36.6772,
17.3595

■ 42.9470, 24.3578,
3.4750

■ 55.4953, 43.4309,
26.2273


■ 41.8754, 22.5180,
2.1824

■ 61.1414, 51.6640,
37.5406

■ 41.8287, 22.4379,
2.1263

■ 67.9291, 61.4574,
51.4626

■ 75.9169, 72.8863,
68.1422

 85.1593, 86.0208,
87.7170

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.



52.5870, 31.3128, 27.6840



47.3665, 31.3128, 10.7552



37.6204, 31.3128, 4.6323

Triad

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



47.3665, 31.3128, 10.7552



15.5624, 31.3128, 17.2545



32.2221, 31.3128, 120.2908

Complementary

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



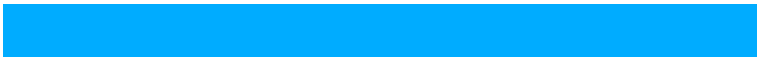
47.3665, 31.3128, 10.7552



49.7651, 65.9863, 104.7208

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.



23.0818, 31.3128, 111.8562



47.3665, 31.3128, 10.7552



14.7327, 31.3128, 41.4249

Square

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



47.3665, 31.3128, 10.7552



19.7538, 31.3128, 6.6922



17.1695, 31.3128, 78.2847



42.6823, 31.3128, 97.3829

Rectangle

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



47.3665, 31.3128, 10.7552



30.6511, 31.3128, 3.6293



17.1695, 31.3128, 78.2847



28.8900, 31.3128, 121.1726

Sweetspot

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



47.3672, 31.3146, 10.7557



74.5659, 70.9588, 65.3027



58.4445, 32.5009, 79.0904



15.4734, 14.4926, 12.9578



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.



47.3672, 31.3146, 10.7557



44.0037, 26.0793, 5.0339



61.0500, 58.6801, 15.3166



18.2080, 18.3842, 18.7332



21.9169, 11.8450, 1.1312



2.1920, 1.2693, 0.1295

Inverse Universe

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



49.7651, 65.9863, 104.7208



46.3366, 62.2924, 104.1892



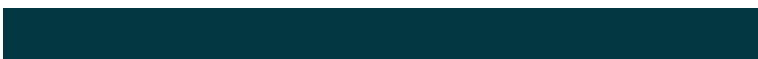
30.9994, 28.4547, 98.4655



18.3324, 20.0364, 23.1511



22.9423, 30.7942, 54.1693



2.2894, 3.1095, 5.2928

Previews

White Background



This preview shows how the XYZ color 47.3665, 31.3128, 10.7552 looks on a white background.

Color Contrast Check

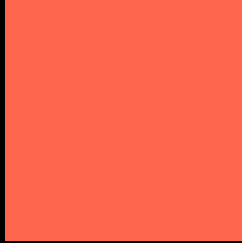
Large Text (above 18pt) WCAG AA × Fail

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 47.3665, 31.3128, 10.7552 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 47.3665, 31.3128, 10.7552

Background



This preview shows how black text looks on a background with the XYZ color 47.3665, 31.3128, 10.7552.



This preview shows how white text looks on a background with the XYZ color 47.3665, 31.3128,

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

47.3665, 31.3128, 10.7552

Protanopia

29.0654, 31.4080, 15.5968

Deuteranopia

31.9386, 31.3718, 10.0022



Tritanopia

48.3470, 31.3943, 16.8761

Trichromacy



Original Color

47.3665, 31.3128, 10.7552

Protanomaly

33.6170, 29.7772, 13.4270

Deuteranomaly

36.1713, 30.1654, 10.0470

Tritanomaly

47.9592, 31.3936, 14.3583

Monochromacy



Original Color

47.3665, 31.3128, 10.7552

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.3090, 27.3953, 21.7268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3665, 31.3128, 10.7552 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 78) }
```

Border

The CSS property to change the border of an element to XYZ 47.3665, 31.3128, 10.7552 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, 78) }
```


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

```
.border{ border-color:rgb(255, 102, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3665, 31.3128, 10.7552 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, 78) }
```

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

```
.background{ background-color: rgb(255,  
102, 78) }
```

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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