

Converting Colors

XYZ(47.9212, 31.5058, 13.7943)

Have a look what the booklet for
XYZ(47.9212, 31.5058, 13.7943)
contains.

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Color

**XYZ(47.9231, 31.5354,
13.6863)**

Conversions

Conversions Part 1

Format	Color
Hex	FF665C
RGB	255, 102, 92
RGB Percent	100%, 40%, 36%
CMY	0.0000, 0.6000, 0.6392
CMYK	0.00, 0.60, 0.64, 0.00
HSL	4°, 100%, 68%
HSV	4°, 64%, 100%
XYZ	47.9231, 31.5354, 13.6863
YIQ	146.6070, 94.3980, 29.3260

Conversions

Conversions Part 2

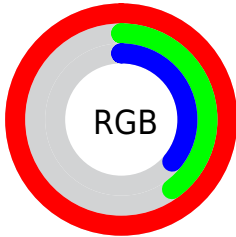
Format	Color
R_{YB}	255, 103, 92
Decimal	16737884
CIE _{Lab}	62.96, 57.63, 35.95
CIE _{LCh}	63, 67.920, 31.955
Yxy	31.5354, 0.5145, 0.3386
Android (android.graphics.Color)	4294927964 (0xFFFF665C)
YUV	146.6070, -26.9213, 95.0607
Hunter-Lab	56.1564, 54.0558, 24.8595

Details

The XYZ color **47.9231, 31.5354, 13.6863** 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 **55.1132, 74.7946, 106.1392**, and the grayscale version is **27.6524, 29.0925, 31.6817**.

A 20% lighter version of the original color is **58.4248, 47.6969, 32.1137**, and **23.0952, 13.1315, 3.9021** is the 20% darker color. If you saturate the color by 10%, you get **44.9677, 27.1186, 8.0964**, and if you desaturate by 10%, it is **51.9338, 37.4633, 21.4783**.

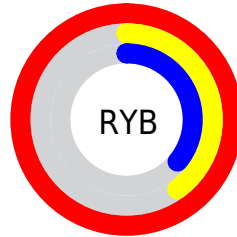
Distribution



Red (100%)

Green (40%)

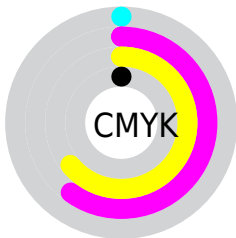
Blue (36%)



Red (100%)

Yellow (40%)

Blue (36%)

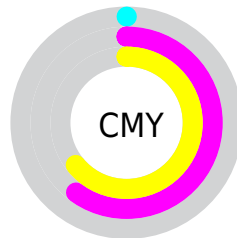


Cyan (0%)

Magenta (60%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9231, 31.5354, 13.6863 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 47.9231, 31.5354, 13.6863 by changing the saturation by 10% instead.


 47.9231, 31.5354,
13.6863


 47.9231, 31.5354,
13.6863


369.0749,
308.9974, 226.6306

 33.9770, 21.0069,
7.7666


 86.3003, 62.0820,
33.2404


 23.0387, 13.1290,
3.8603


 111.4621, 82.8689,
47.7119

 14.7430, 7.5175,
1.5490


 141.0931,
107.8441, 65.8711

 8.7243, 3.7878,
0.2541

 175.5588,
137.3919, 88.1364

 4.6175, 1.5556,
0.0000

215.2245,
171.8967, 114.9265

 2.0570, 0.3274,
0.0000

260.4555,

 0.6657, 0.0000,

211.7430, 146.6599

0.0000

311.6172,
257.3151, 183.7551

■ 0.0000, 0.0000,
0.0000

■ 47.9231, 31.5354,
13.6863

■ 47.9231, 31.5354,
13.6863

■ 44.9677, 27.1186,
8.0964

■ 51.9338, 37.4633,
21.4783

■ 42.9657, 24.0714,
4.4796

■ 57.0846, 45.0167,
31.6673

■ 41.7991, 22.2349,
2.5596

■ 63.4541, 54.3052,
44.4283

■ 41.4200, 21.6204,
1.9901

■ 71.1135, 65.4271,
59.9199

■ 80.1284, 78.4736,
78.2875

90.5598, 93.5297,
99.6666

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.



51.7234, 31.5354, 32.6128



47.9231, 31.5354, 13.6863



39.2271, 31.5354, 6.0190

Triad

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



47.9231, 31.5354, 13.6863



16.7611, 31.5354, 15.3981



30.5899, 31.5354, 115.5700

Complementary

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



47.9231, 31.5354, 13.6863



55.1132, 74.7946, 106.1392

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.



22.3032, 31.5354, 102.6018



47.9231, 31.5354, 13.6863



15.3779, 31.5354, 36.1203

Square

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



47.9231, 31.5354, 13.6863



21.4436, 31.5354, 6.5852



17.1801, 31.5354, 69.3524



40.5097, 31.5354, 99.0066

Rectangle

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



47.9231, 31.5354, 13.6863



32.5556, 31.5354, 4.4481



17.1801, 31.5354, 69.3524



27.5316, 31.5354, 114.5046

Sweetspot

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



47.9238, 31.5372, 13.6868



75.3770, 71.6020, 68.5912



61.8322, 35.6204, 91.4904



15.5948, 14.5453, 13.5842



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.



47.9238, 31.5372, 13.6868



44.2550, 26.0414, 6.7842



59.8279, 55.3453, 17.6548



18.0989, 18.1659, 18.6968



21.6772, 11.3656, 1.0513



2.1406, 1.1666, 0.1124

Inverse Universe

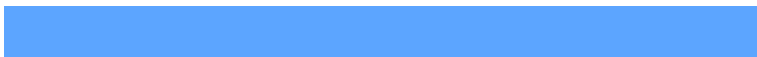
The Inverse Universe completely reimagines the original color for something new.



55.1132, 74.7946, 106.1392



51.8667, 72.2066, 105.8114



35.9820, 36.5321, 99.7621



18.4537, 20.2791, 23.1916



25.6534, 36.2163, 55.0730



2.5256, 3.5818, 5.3715

Previews

White Background



This preview shows how the XYZ color 47.9231, 31.5354, 13.6863 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 47.9231, 31.5354, 13.6863 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 47.9231, 31.5354, 13.6863

Background



This preview shows how black text looks on a background with the XYZ color 47.9231, 31.5354, 13.6863.



This preview shows how white text looks on a background with the XYZ color 47.9231, 31.5354,

13.6863.

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

47.9231, 31.5354, 13.6863

Protanopia

29.6257, 31.8448, 19.9145

Deuteranopia

32.3726, 31.7627, 12.8121



Tritanopia

48.5475, 31.6289, 17.4562

Trichromacy



Original Color

47.9231, 31.5354, 13.6863

Protanomaly

34.1009, 29.9404, 17.3464

Deuteranomaly

36.8543, 30.6504, 12.9905

Tritanomaly

48.2920, 31.5267, 16.1104

Monochromacy



Original Color

47.9231, 31.5354, 13.6863

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

32.1968, 28.2040, 23.8256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9231, 31.5354, 13.6863 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 92) }
```

Border

The CSS property to change the border of an element to XYZ 47.9231, 31.5354, 13.6863 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, 92) }
```


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

```
.border{ border-color:rgb(255, 102, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9231, 31.5354, 13.6863 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, 92) }
```

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

```
.background{ background-color: rgb(255,  
102, 92) }
```

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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