

Converting Colors

XYZ(72.1214, 43.7536, 14.4662)

Have a look what the booklet for
XYZ(72.1214, 43.7536, 14.4662)
contains.

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Color

**XYZ(47.6855, 31.1297,
13.3929)**

Conversions

Conversions Part 1

Format	Color
Hex	FF645B
RGB	255, 100, 91
RGB Percent	100%, 39%, 36%
CMY	0.0000, 0.6078, 0.6431
CMYK	0.00, 0.61, 0.64, 0.00
HSL	3°, 100%, 68%
HSV	3°, 64%, 100%
XYZ	47.6855, 31.1297, 13.3929
YIQ	145.3190, 95.2690, 30.0610

Conversions

Conversions Part 2

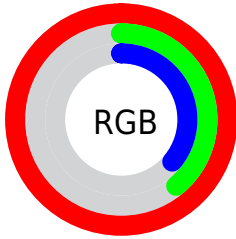
Format	Color
R_{YB}	255, 101, 91
Decimal	16737371
CIE Lab	62.62, 58.43, 36.08
CIE LCh	63, 68.677, 31.694
Yxy	31.1297, 0.5172, 0.3376
Android (android.graphics.Color)	4294927451 (0xFFFF645B)
YUV	145.3190, -26.7793, 96.1902
Hunter-Lab	55.7940, 54.9192, 24.8237

Details

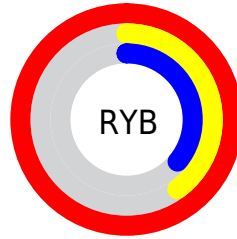
The XYZ color **47.6855, 31.1297, 13.3929** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **55.3173, 75.3499, 106.2356**, and the grayscale version is **27.1232, 28.5358, 31.0754**.

A 20% lighter version of the original color is **57.9362, 46.9600, 31.2099**, and **23.0048, 12.9818, 3.7759** is the 20% darker color. If you saturate the color by 10%, you get **44.7868, 26.8039, 7.8906**, and if you desaturate by 10%, it is **51.6427, 36.9752, 21.0913**.

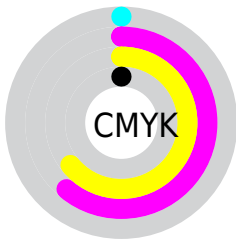
Distribution



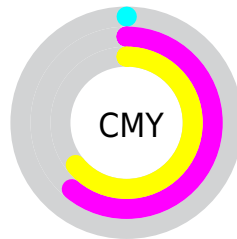
- Red (100%)
- Green (39%)
- Blue (36%)



- Red (100%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (61%)
- Yellow (64%)
- Black (0%)



- Cyan (0%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6855, 31.1297, 13.3929 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 47.6855, 31.1297, 13.3929 by changing the saturation by 10% instead.

47.6855, 31.1297,
13.3929

47.6855, 31.1297,
13.3929

368.1475,
307.1354, 224.7161

33.7881, 20.6976,
7.5658

85.9485, 61.4442,
32.7093

22.8930, 12.9032,
3.7346

111.0448, 82.0954,
47.0357

14.6348, 7.3619,
1.4809

140.6048,
106.9219, 65.0322

8.6481, 3.6894,
0.2036

174.9938,
136.3078, 87.1175

4.5676, 1.5014,
0.0000

214.5773,
170.6378, 113.7099

2.0280, 0.2897,
0.0000

259.7205,

0.6496, 0.0000,

210.2961, 145.2282

0.0000

310.7888,
255.6672, 182.0907

■ 0.0000, 0.0000,
0.0000

■ 47.6855, 31.1297,
13.3929

■ 47.6855, 31.1297,
13.3929

■ 44.7868, 26.8039,
7.8906

■ 51.6427, 36.9752,
21.0913

■ 42.8424, 23.8523,
4.3535

■ 56.7449, 44.4581,
31.1821

■ 41.7309, 22.1099,
2.5017

■ 63.0723, 53.6906,
43.8415

■ 41.3969, 21.5741,
1.9824

■ 70.6972, 64.7737,
59.2290

■ 79.6864, 77.8003,
77.4908

90.1020, 92.8575,
98.7629

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.



51.4580, 31.1297, 32.3943



47.6855, 31.1297, 13.3929



38.9639, 31.1297, 5.7606

Triad

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



47.6855, 31.1297, 13.3929



16.4075, 31.1297, 14.8645



30.1230, 31.1297, 115.8761

Complementary

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



47.6855, 31.1297, 13.3929



55.3173, 75.3499, 106.2356

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.



21.8512, 31.1297, 102.4981



47.6855, 31.1297, 13.3929



15.0030, 31.1297, 35.4413

Square

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



47.6855, 31.1297, 13.3929



21.1071, 31.1297, 6.2408



16.7691, 31.1297, 68.8079



40.0813, 31.1297, 99.3453

Rectangle

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



47.6855, 31.1297, 13.3929



32.2633, 31.1297, 4.2026



16.7691, 31.1297, 68.8079



27.0646, 31.1297, 114.7049

Sweetspot

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



47.6862, 31.1315, 13.3934



75.2999, 71.4478, 68.5655



61.7385, 35.4452, 91.4211



15.5766, 14.5090, 13.5782



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.



47.6862, 31.1315, 13.3934



44.1754, 25.8822, 6.7577



59.6927, 55.1444, 17.3956



18.0894, 18.1470, 18.6936



21.6629, 11.3370, 1.0465



2.1361, 1.1576, 0.1109

Inverse Universe

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



55.3173, 75.3499, 106.2356



52.2481, 72.9694, 105.9385



35.7835, 36.2824, 99.7243



18.4644, 20.3003, 23.1951



25.9034, 36.7164, 55.1563



2.5472, 3.6251, 5.3787

Previews

White Background



This preview shows how the XYZ color 47.6855, 31.1297, 13.3929 looks on a white background.

Color Contrast Check

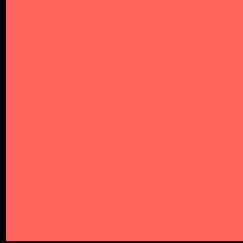
Large Text (above 18pt) WCAG AA × Fail

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 47.6855, 31.1297, 13.3929 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 47.6855, 31.1297, 13.3929

Background



This preview shows how black text looks on a background with the XYZ color 47.6855, 31.1297, 13.3929.



This preview shows how white text looks on a background with the XYZ color 47.6855, 31.1297,

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

47.6855, 31.1297, 13.3929

Protanopia

29.2017, 31.3907, 19.5588

Deuteranopia

31.9364, 31.3144, 12.5447



Tritanopia

48.2516, 31.2036, 16.8444

Trichromacy



Original Color

47.6855, 31.1297, 13.3929

Protanomaly

33.6512, 29.5103, 17.0191

Deuteranomaly

36.3939, 30.2213, 12.7192

Tritanomaly

48.0021, 31.1038, 15.5302

Monochromacy



Original Color

47.6855, 31.1297, 13.3929

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.5595, 27.4955, 23.0458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6855, 31.1297, 13.3929 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, 100, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 91)  
}
```

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, 100, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 91) }
```

Border

The CSS property to change the border of an element to XYZ 47.6855, 31.1297, 13.3929 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, 100, 91) }
```


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

```
.border{ border-color:rgb(255, 100, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6855, 31.1297, 13.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 91) }
```

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

```
.background{ background-color: rgb(255,  
100, 91) }
```

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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