

Converting Colors

XYZ(63.8839, 40.7619, 14.7742)

Have a look what the booklet for
XYZ(63.8839, 40.7619, 14.7742)
contains.

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Color

**XYZ(48.6844, 32.9876,
14.1572)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6D5D
RGB	255, 109, 93
RGB Percent	100%, 43%, 36%
CMY	0.0000, 0.5725, 0.6353
CMYK	0.00, 0.57, 0.64, 0.00
HSL	6°, 100%, 68%
HSV	6°, 64%, 100%
XYZ	48.6844, 32.9876, 14.1572
YIQ	150.8300, 92.1520, 25.9760

Conversions

Conversions Part 2

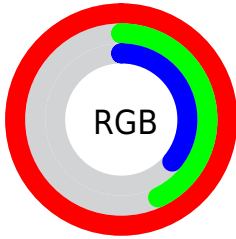
Format	Color
R _Y B	255, 111, 93
Decimal	16739677
CIE Lab	64.15, 54.58, 36.87
CIE LCh	64, 65.864, 34.041
Yxy	32.9876, 0.5080, 0.3442
Android (android.graphics.Color)	4294929757 (0xFFFF6D5D)
YUV	150.8300, -28.5102, 91.3571
Hunter-Lab	57.4348, 50.7938, 25.5899

Details

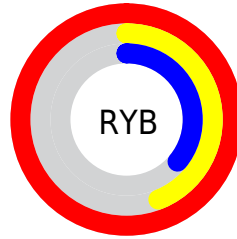
The XYZ color **48.6844, 32.9876, 14.1572** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **53.4281, 71.2749, 105.5486**, and the grayscale version is **29.4344, 30.9673, 33.7234**.

A 20% lighter version of the original color is **59.7292, 50.1839, 32.9239**, and **23.5045, 13.9499, 4.0386** is the 20% darker color. If you saturate the color by 10%, you get **45.5981, 28.3314, 8.4546**, and if you desaturate by 10%, it is **52.7894, 39.0794, 22.0568**.

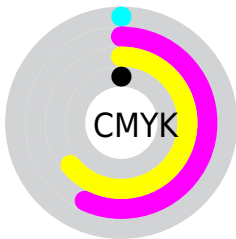
Distribution



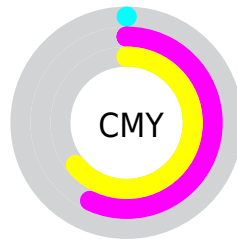
- Red (100%)
- Green (43%)
- Blue (36%)



- Red (100%)
- Yellow (44%)
- Blue (36%)



- Cyan (0%)
- Magenta (57%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6844, 32.9876, 14.1572 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 48.6844, 32.9876, 14.1572 by changing the saturation by 10% instead.


 48.6844, 32.9876,
14.1572


 48.6844, 32.9876,
14.1572


372.0361,
315.5939, 229.6689

 34.5827, 22.1169,
8.0901

 87.4261, 64.3562,
34.0888

 23.5066, 13.9429,
4.0640


 112.7968, 85.6229,
48.7904

 15.0908, 8.0809,
1.6605


 142.6545,
111.1237, 67.2073

 8.9698, 4.1468,
0.3335

 177.3646,
141.2431, 89.7579

 4.7785, 1.7560,
0.0000

217.2925,
176.3654, 116.8608

 2.1513, 0.4595,
0.0000

262.8035,

 0.7169, 0.0000,

216.8750, 148.9346

0.0000

314.2629,
263.1564, 186.3978

■ 0.0000, 0.0000,
0.0000

■ 48.6844, 32.9876,
14.1572

■ 48.6844, 32.9876,
14.1572

■ 45.5981, 28.3314,
8.4546

■ 52.7894, 39.0794,
22.0568

■ 43.4379, 24.9875,
4.7242

■ 57.9901, 46.7060,
32.3446

■ 42.0982, 22.8210,
2.6962

■ 64.3586, 55.9640,
45.1931

■ 41.5916, 21.9636,
2.0473

■ 71.9604, 66.9405,
60.7582

■ 80.8558, 79.7165,
79.1835

91.1014, 94.3678,
100.6025

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.



52.8590, 32.9876, 32.4193



48.6844, 32.9876, 14.1572



39.8767, 32.9876, 6.7034

Triad

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



48.6844, 32.9876, 14.1572



17.8364, 32.9876, 17.8011



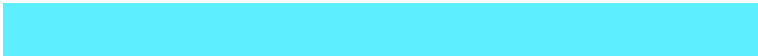
32.6343, 32.9876, 115.3635

Complementary

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



48.6844, 32.9876, 14.1572



53.4281, 71.2749, 105.5486

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.



24.1409, 32.9876, 104.7074



48.6844, 32.9876, 14.1572



16.6520, 32.9876, 39.6596

Square

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



48.6844, 32.9876, 14.1572



22.3487, 32.9876, 7.9560



18.7180, 32.9876, 73.0189



42.5013, 32.9876, 97.4948

Rectangle

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



48.6844, 32.9876, 14.1572



33.2526, 32.9876, 5.2260



18.7180, 32.9876, 73.0189



29.5285, 32.9876, 115.0375

Sweetspot

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



48.6852, 32.9894, 14.1578



75.8258, 72.4995, 68.7408



61.1061, 35.4695, 87.2364



15.7007, 14.7572, 13.6195



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.



48.6852, 32.9894, 14.1578



44.9821, 27.3879, 7.3588



61.0921, 57.8034, 18.2934



18.1537, 18.2756, 18.7151



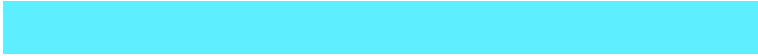
21.7800, 11.5711, 1.0855



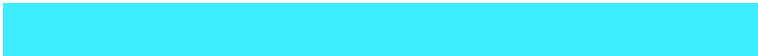
2.1665, 1.2184, 0.1210

Inverse Universe

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



53.4281, 71.2749, 105.5486



49.9389, 68.1226, 105.1247



35.2219, 34.8626, 99.4799



18.3924, 20.1565, 23.1712



24.2510, 33.4115, 54.6055



2.4038, 3.3383, 5.3309

Previews

White Background



This preview shows how the XYZ color 48.6844, 32.9876, 14.1572 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 48.6844, 32.9876, 14.1572 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 48.6844, 32.9876, 14.1572

Background



This preview shows how black text looks on a background with the XYZ color 48.6844, 32.9876, 14.1572.



This preview shows how white text looks on a background with the XYZ color 48.6844, 32.9876,

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

48.6844, 32.9876, 14.1572

Protanopia

30.9062, 33.2495, 19.8278

Deuteranopia

33.6624, 33.1139, 13.4215



Tritanopia

49.5350, 32.9903, 19.6766

Trichromacy



Original Color

48.6844, 32.9876, 14.1572

Protanomaly

35.5507, 31.7441, 17.3502

Deuteranomaly

38.0598, 32.0676, 13.6349

Tritanomaly

49.2041, 33.0257, 17.4169

Monochromacy



Original Color

48.6844, 32.9876, 14.1572

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.8197, 30.0388, 25.1347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6844, 32.9876, 14.1572 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, 109, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 93)  
}
```

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, 109, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 93) }
```

Border

The CSS property to change the border of an element to XYZ 48.6844, 32.9876, 14.1572 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, 109, 93) }
```


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

```
.border{ border-color:rgb(255, 109, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6844, 32.9876, 14.1572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 93) }
```

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

```
.background{ background-color: rgb(255,  
109, 93) }
```

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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