

Converting Colors

XYZ(52.2545, 33.1219, 11.1203)

Have a look what the booklet for
XYZ(52.2545, 33.1219, 11.1203)
contains.

XYZ(46.9260, 30.3739, 10.7866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.9260, 30.3739,
10.7866)**

Conversions

Conversions Part 1

Format	Color
Hex	FF614F
RGB	255, 97, 79
RGB Percent	100%, 38%, 31%
CMY	0.0000, 0.6196, 0.6902
CMYK	0.00, 0.62, 0.69, 0.00
HSL	6°, 100%, 65%
HSV	6°, 69%, 100%
XYZ	46.9260, 30.3739, 10.7866
YIQ	142.1900, 99.9460, 27.8980

Conversions

Conversions Part 2

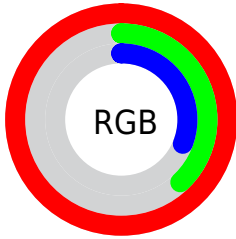
Format	Color
R _Y B	255, 99, 79
Decimal	16736591
CIE Lab	61.98, 59.08, 41.90
CIE LCh	62, 72.428, 35.344
Yxy	30.3739, 0.5327, 0.3448
Android (android.graphics.Color)	4294926671 (0xFFFF614F)
YUV	142.1900, -31.1527, 98.9344
Hunter-Lab	55.1125, 55.5384, 26.9746

Details

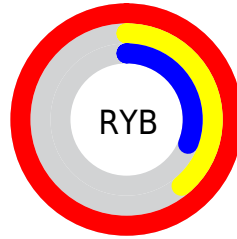
The XYZ color **46.9260, 30.3739, 10.7866** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed orange. A complement of this color would be **51.5558, 69.4451, 105.2942**, and the grayscale version is **25.8795, 27.2273, 29.6505**.

A 20% lighter version of the original color is **56.5937, 45.6274, 26.5930**, and **22.3912, 12.4479, 2.6614** is the 20% darker color. If you saturate the color by 10%, you get **44.3507, 26.4351, 6.1938**, and if you desaturate by 10%, it is **50.4685, 35.6786, 17.4572**.

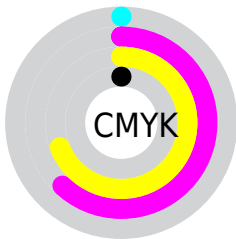
Distribution



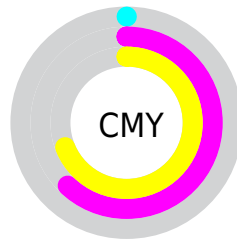
- Red (100%)
- Green (38%)
- Blue (31%)



- Red (100%)
- Yellow (39%)
- Blue (31%)



- Cyan (0%)
- Magenta (62%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9260, 30.3739, 10.7866 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 46.9260, 30.3739, 10.7866 by changing the saturation by 10% instead.


 46.9260, 30.3739,
10.7866


 46.9260, 30.3739,
10.7866


365.1729,
303.6434, 206.8822

 33.1849, 20.1226,
5.8112


 84.8226, 60.2530,
27.8955


 22.4280, 12.4842,
2.6637


 109.7087, 80.6495,
40.8660


 14.2901, 7.0743,
0.9251


 139.0406,
105.1966, 57.3386

 8.4058, 3.5086,
0.0000

 173.1835,
134.2785, 77.7319

 4.4096, 1.4027,
0.0000

 212.5028,
168.2798, 102.4643

 1.9364, 0.2187,
0.0000

257.3639,

 0.5979, 0.0000,

207.5848, 131.9545

0.0000

308.1322,
252.5778, 166.6209

■ 0.0000, 0.0000,
0.0000

■ 46.9260, 30.3739,
10.7866

■ 46.9260, 30.3739,
10.7866

■ 44.3507, 26.4351,
6.1938

■ 50.4685, 35.6786,
17.4572

■ 42.6432, 23.7314,
3.4317

■ 55.0602, 42.4539,
26.4118


■ 41.6768, 22.1120,
2.1433

■ 60.7768, 50.8002,
37.8334

■ 41.6112, 22.0028,
2.0538

■ 67.6861, 60.8077,
51.8861

■ 75.8508, 72.5595,
68.7195

 85.3290, 86.1335,
88.4725

95.0498, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.7241, 30.3739, 28.3392



46.9260, 30.3739, 10.7866



37.3762, 30.3739, 4.3969

Triad

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



46.9260, 30.3739, 10.7866



15.0125, 30.3739, 15.4099



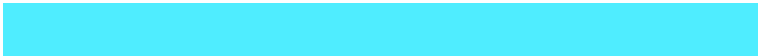
30.6429, 30.3739, 119.9412

Complementary

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



46.9260, 30.3739, 10.7866



51.5558, 69.4451, 105.2942

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.



21.7626, 30.3739, 109.3168



46.9260, 30.3739, 10.7866



13.9889, 30.3739, 38.3044

Square

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



46.9260, 30.3739, 10.7866



19.3628, 30.3739, 5.8254



16.1649, 30.3739, 74.6305



41.0680, 30.3739, 98.6377

Rectangle

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



46.9260, 30.3739, 10.7866



30.4110, 30.3739, 3.2834



16.1649, 30.3739, 74.6305



27.3809, 30.3739, 120.0734

Sweetspot

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



46.9267, 30.3756, 10.7871



74.1314, 70.0897, 65.1578



59.3803, 32.9898, 83.6651



15.3723, 14.2904, 12.9241



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.



46.9267, 30.3756, 10.7871



43.5732, 25.2184, 4.8904



59.9165, 56.3552, 15.1170



18.1589, 18.2860, 18.7168



21.7914, 11.5941, 1.0893



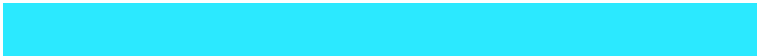
2.1689, 1.2232, 0.1218

Inverse Universe

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



51.5558, 69.4451, 105.2942



48.2971, 66.2134, 104.8427



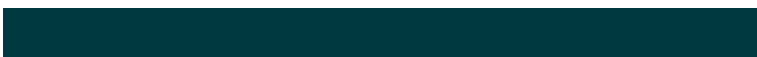
32.0853, 30.5041, 98.8040



18.3867, 20.1450, 23.1692



24.1233, 33.1562, 54.5629



2.3927, 3.3161, 5.3272

Previews

White Background



This preview shows how the XYZ color 46.9260, 30.3739, 10.7866 looks on a white background.

Color Contrast Check

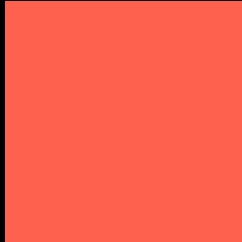
Large Text (above 18pt) WCAG AA × Fail

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 46.9260, 30.3739, 10.7866 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 46.9260, 30.3739, 10.7866

Background



This preview shows how black text looks on a background with the XYZ color 46.9260, 30.3739, 10.7866.

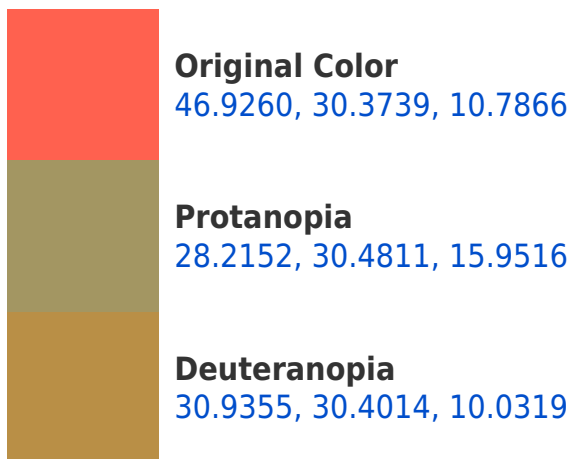


This preview shows how white text looks on a background with the XYZ color 46.9260, 30.3739,

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





Tritanopia

47.6812, 30.3840, 15.6635

Trichromacy



Original Color

46.9260, 30.3739, 10.7866

Protanomaly

32.7696, 28.7237, 13.7146

Deuteranomaly

35.2418, 29.1044, 10.0636

Tritanomaly

47.3987, 30.4161, 13.7286

Monochromacy



Original Color

46.9260, 30.3739, 10.7866

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

30.3191, 26.3209, 20.9352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9260, 30.3739, 10.7866 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, 97, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 79)  
}
```

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, 97, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 79) }
```

Border

The CSS property to change the border of an element to XYZ 46.9260, 30.3739, 10.7866 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, 97, 79) }
```


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

```
.border{ border-color:rgb(255, 97, 79) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9260, 30.3739, 10.7866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 79) }
```

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

```
.background{ background-color: rgb(255, 97,  
79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor