

Converting Colors

XYZ(43.7118, 29.4157, 10.5050)

Have a look what the booklet for
XYZ(43.7118, 29.4157, 10.5050)
contains.

XYZ(43.7827, 29.4653, 10.5875)	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(43.7827, 29.4653,
10.5875)**

Conversions

Conversions Part 1

Format	Color
Hex	F5664E
RGB	245, 102, 78
RGB Percent	96%, 40%, 31%
CMY	0.0392, 0.6000, 0.6941
CMYK	0.00, 0.58, 0.68, 0.04
HSL	9°, 89%, 63%
HSV	9°, 68%, 96%
XYZ	43.7827, 29.4653, 10.5875
YIQ	142.0210, 92.9320, 22.8520

Conversions

Conversions Part 2

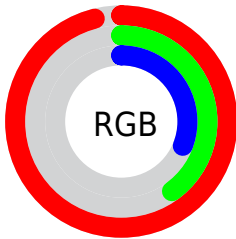
Format	Color
R_{YB}	245, 106, 78
Decimal	16082510
CIE Lab	61.19, 53.44, 41.12
CIE LCh	61, 67.424, 37.577
Yxy	29.4653, 0.5222, 0.3515
Android (android.graphics.Color)	4294272590 (0xFFFF5664E)
YUV	142.0210, -31.5624, 90.3126
Hunter-Lab	54.2819, 48.9810, 26.4331

Details

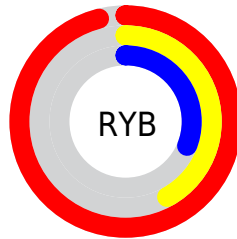
The XYZ color **43.7827, 29.4653, 10.5875** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed orange. A complement of this color would be **45.4774, 59.9206, 95.5545**, and the grayscale version is **25.8158, 27.1603, 29.5775**.

A 20% lighter version of the original color is **57.1933, 46.9325, 26.4665**, and **20.5291, 12.0034, 2.6014** is the 20% darker color. If you saturate the color by 10%, you get **41.2549, 25.5635, 6.1888**, and if you desaturate by 10%, it is **47.1605, 34.5443, 16.8831**.

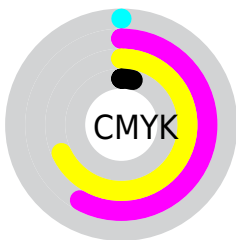
Distribution



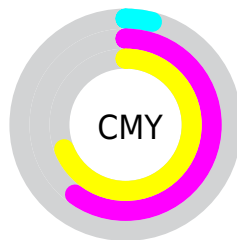
- Red (96%)
- Green (40%)
- Blue (31%)



- Red (96%)
- Yellow (42%)
- Blue (31%)



- Cyan (0%)
- Magenta (58%)
- Yellow (68%)
- Black (4%)




- Cyan (4%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7827, 29.4653, 10.5875 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 43.7827, 29.4653, 10.5875 by changing the saturation by 10% instead.


 43.7827, 29.4653,
10.5875


 43.7827, 29.4653,
10.5875


352.6880,
299.4041, 205.4501


 30.6969, 19.4331,
5.6795


 80.1390, 58.8155,
27.5197


 20.5188, 11.9836,
2.5856

 104.1403, 78.9024,
40.3810


 12.8832, 6.7325,
0.8850

 132.5107,
103.1095, 56.7306

 7.4246, 3.2954,
0.0000

 165.6156,
131.8214, 76.9868

 3.7777, 1.2878,
0.0000

 203.8205,
165.4224, 101.5684

 1.5772, 0.1318,
0.0000

247.4906,

 0.3775, 0.0000,

204.2969, 130.8937

0.0000

296.9913,
248.8294, 165.3814

■ 0.0000, 0.0000,
0.0000

■ 43.7827, 29.4653,
10.5875

■ 43.7827, 29.4653,
10.5875

■ 41.2549, 25.5635,
6.1888

■ 47.1605, 34.5443,
16.8831

■ 39.4964, 22.7384,
3.4697

■ 51.4547, 40.8805,
25.2578

■ 38.4086, 20.8782,
2.1348


■ 56.7274, 48.5525,
35.8736


■ 38.2635, 20.6275,
1.9648

■ 63.0346, 57.6311,
48.8764

■ 70.4280, 68.1821,
64.3994

 78.9558, 80.2671,
82.5663

 88.6634, 93.9440,
103.4924

 91.4659, 98.1523,
108.7323

Harmonies

Analogous

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



48.5005, 29.4653, 26.0728



43.7827, 29.4653, 10.5875



35.0152, 29.4653, 4.8220

Triad

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



43.7827, 29.4653, 10.5875



15.0313, 29.4653, 16.8461



30.3115, 29.4653, 108.7555

Complementary

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



43.7827, 29.4653, 10.5875



45.4774, 59.9206, 95.5545

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.



22.0006, 29.4653, 101.5619



43.7827, 29.4653, 10.5875



14.2918, 29.4653, 38.9517

Square

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



43.7827, 29.4653, 10.5875



18.8532, 29.4653, 6.8776



16.5634, 29.4653, 71.9521



39.7249, 29.4653, 88.3205

Rectangle

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



43.7827, 29.4653, 10.5875



28.7318, 29.4653, 3.8638



16.5634, 29.4653, 71.9521



27.2923, 29.4653, 109.6203

Sweetspot

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



43.7834, 29.4669, 10.5880



75.5159, 72.3732, 67.1161



53.6637, 30.1746, 72.6192



15.6628, 14.7773, 13.3116



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.



43.7834, 29.4669, 10.5880



44.3129, 26.6199, 5.3771



56.1232, 54.1465, 14.7013



16.6913, 16.8667, 17.1734



20.6726, 11.2309, 1.0782



1.8745, 1.1022, 0.1139

Inverse Universe

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



45.4774, 59.9206, 95.5545



46.0810, 61.6162, 104.0721



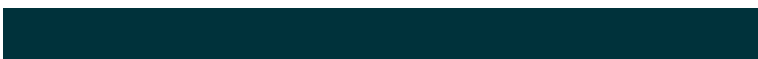
28.8898, 26.7453, 90.0253



16.7818, 18.3278, 21.1957



21.3440, 28.4817, 50.9106



1.9303, 2.6121, 4.4927

Previews

White Background



This preview shows how the XYZ color 43.7827, 29.4653, 10.5875 looks on a white background.

Color Contrast Check

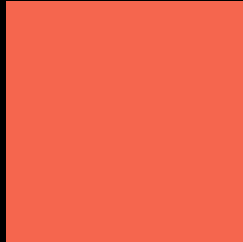
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.7827, 29.4653, 10.5875 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.7827, 29.4653, 10.5875

Background



This preview shows how black text looks on a background with the XYZ color 43.7827, 29.4653, 10.5875.



This preview shows how white text looks on a background with the XYZ color 43.7827, 29.4653,

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

43.7827, 29.4653, 10.5875

Protanopia

27.3082, 29.5650, 14.8570

Deuteranopia

30.1588, 29.5592, 9.9103



Tritanopia

44.9235, 29.3481, 16.6616

Trichromacy



Original Color

43.7827, 29.4653, 10.5875

Protanomaly

31.6160, 28.1436, 12.9984

Deuteranomaly

34.2456, 28.7816, 10.0538

Tritanomaly

44.5334, 29.3427, 14.1430

Monochromacy



Original Color

43.7827, 29.4653, 10.5875

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.5096, 26.0944, 20.9342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7827, 29.4653, 10.5875 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(245, 102, 78)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 102, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 102, 78) }
```

Border

The CSS property to change the border of an element to XYZ 43.7827, 29.4653, 10.5875 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(245, 102, 78) }
```


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

```
.border{ border-color:rgb(245, 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(245, 102, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 102, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 102, 78);  
box-shadow:4px 4px 4px 4px rgb(245, 102,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7827, 29.4653, 10.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 102, 78) }
```

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

```
.background{ background-color: rgb(245,  
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](#).

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