

# Converting Colors

XYZ(44.2899, 31.9440, 15.3442)

Have a look what the booklet for  
XYZ(44.2899, 31.9440, 15.3442)  
contains.

<b>XYZ(44.5011, 32.1297, 15.4115)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.5011, 32.1297,  
15.4115)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F07562
RGB	240, 117, 98
RGB Percent	94%, 46%, 38%
CMY	0.0588, 0.5411, 0.6157
CMYK	0.00, 0.51, 0.59, 0.06
HSL	8°, 83%, 66%
HSV	8°, 59%, 94%
XYZ	44.5011, 32.1297, 15.4115
YIQ	151.6110, 79.4070, 20.1670

# Conversions

## Conversions Part 2

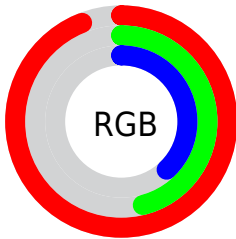
Format	Color
R <sub>Y</sub> B	240, 120, 98
Decimal	15758690
CIE Lab	63.45, 45.80, 32.75
CIE LCh	63, 56.303, 35.572
Yxy	32.1297, 0.4835, 0.3491
Android (android.graphics.Color)	4293948770 (0xFFFF07562)
YUV	151.6110, -26.4302, 77.5172
Hunter-Lab	56.6831, 40.9425, 23.5578

# Details

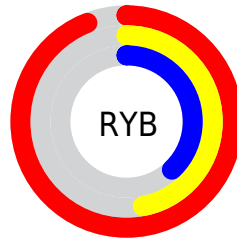
The XYZ color **44.5011, 32.1297, 15.4115** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **46.6199, 60.5972, 91.6770**, and the grayscale version is **29.7647, 31.3148, 34.1018**.

A 20% lighter version of the original color is **61.4173, 52.9350, 35.4142**, and **21.0213, 13.4895, 4.6278** is the 20% darker color. If you saturate the color by 10%, you get **41.3741, 27.4256, 9.5918**, and if you desaturate by 10%, it is **48.5071, 38.0486, 23.2003**.

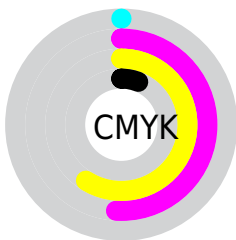
# Distribution



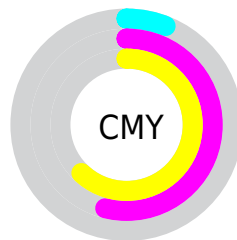
- Red (94%)
- Green (46%)
- Blue (38%)



- Red (94%)
- Yellow (47%)
- Blue (38%)



- Cyan (0%)
- Magenta (51%)
- Yellow (59%)
- Black (6%)




- Cyan (6%)
- Magenta (54%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5011, 32.1297, 15.4115 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 44.5011, 32.1297, 15.4115 by changing the saturation by 10% instead.





 44.5011, 32.1297,  
15.4115


 44.5011, 32.1297,  
15.4115


355.5670,  
311.7097, 237.5695


 31.2642, 21.4606,  
8.9589


 81.2129, 63.0144,  
36.3259


 20.9530, 13.4611,  
4.6179


 105.4186, 83.9987,  
51.6248

 13.2019, 7.7468,  
1.9701


 134.0113,  
109.1902, 70.7095

 7.6457, 3.9334,  
0.5368

 167.3563,  
138.9734, 93.9986

 3.9190, 1.6364,  
0.0000

205.8191,  
173.7325, 121.9106

 1.6564, 0.3819,  
0.0000

249.7648,

 0.4287, 0.0000,

213.8520, 154.8641

0.0000

299.5590,  
259.7162, 193.2776

■ 0.0000, 0.0000,  
0.0000

■ 44.5011, 32.1297,  
15.4115

■ 44.5011, 32.1297,  
15.4115

■ 41.3741, 27.4256,  
9.5918

■ 48.5071, 38.0486,  
23.2003

■ 39.0563, 23.8465,  
5.5621

■ 53.4499, 45.2536,  
33.1123

■ 37.4709, 21.2985,  
3.1135

■ 59.3853, 53.8164,  
45.2884

■ 36.5139, 19.6655,  
1.9288

■ 66.3636, 63.8020,  
59.8569

■ 36.4549, 19.5649,  
1.8550

■ 74.4321, 75.2713,  
76.9362

■ 83.6349, 88.2815,  
96.6372

■ 89.7450, 97.2652,  
108.6517

# Harmonies

## Analogous

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



48.1162, 32.1297, 30.9601



44.5011, 32.1297, 15.4115



37.2004, 32.1297, 8.5727

# Triad

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



44.5011, 32.1297, 15.4115



18.7748, 32.1297, 20.0050



32.0243, 32.1297, 97.8753

# Complementary

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



44.5011, 32.1297, 15.4115



46.6199, 60.5972, 91.6770

# 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.



24.7233, 32.1297, 90.7911



44.5011, 32.1297, 15.4115



17.8664, 32.1297, 39.3418

# Square

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



44.5011, 32.1297, 15.4115



22.5875, 32.1297, 10.3197



19.8522, 32.1297, 66.5562



40.1652, 32.1297, 83.1084



# Rectangle

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



44.5011, 32.1297, 15.4115



31.7160, 32.1297, 7.1924



19.8522, 32.1297, 66.5562



29.3902, 32.1297, 98.0244

# Sweetspot

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



44.5019, 32.1314, 15.4121



77.1236, 74.5935, 70.7197



53.3628, 32.4848, 71.9107



15.9714, 15.2012, 14.0098



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.



44.5019, 32.1314, 15.4121



46.8592, 30.5235, 9.8916



56.1087, 55.3451, 19.2810



15.9434, 16.0998, 16.4170



20.0101, 10.8182, 1.0335



1.7180, 1.0066, 0.1038



# Inverse Universe

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



46.6199, 60.5972, 91.6770



49.3808, 65.6951, 104.6855



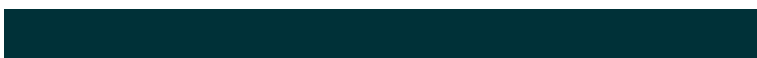
31.6823, 30.7222, 86.6978



16.0564, 17.5470, 20.2622



21.0123, 28.2489, 49.4730



1.7975, 2.4491, 4.1322



# Previews

## White Background



This preview shows how the XYZ color 44.5011, 32.1297, 15.4115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

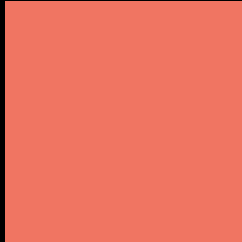
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.5011, 32.1297, 15.4115 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 44.5011, 32.1297, 15.4115**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.5011, 32.1297, 15.4115.



This preview shows how white text looks on a background with the XYZ color 44.5011, 32.1297,



# 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

44.5011, 32.1297, 15.4115

### Protanopia

30.0533, 32.3028, 20.2739

### Deuteranopia

32.8590, 32.2049, 14.6095



## Tritanopia

45.8058, 32.1405, 22.2019

# Trichromacy



## Original Color

44.5011, 32.1297, 15.4115

## Protanomaly

33.9699, 31.3389, 18.4460

## Deuteranomaly

36.2781, 31.5383, 14.7651

## Tritanomaly

45.3870, 32.1545, 19.4371

# Monochromacy



## Original Color

44.5011, 32.1297, 15.4115

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

33.1646, 30.3215, 25.9345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5011, 32.1297, 15.4115 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(240, 117, 98)` looks like.

```
.text, #text, p{  
    color:rgb(240, 117, 98)  
}
```

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(240, 117, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 117, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5011, 32.1297, 15.4115 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(240, 117, 98) }
```



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

```
.border{ border-color:rgb(240, 117, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 117, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 117, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 117, 98);  
box-shadow:4px 4px 4px 4px rgb(240, 117,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5011, 32.1297, 15.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 117, 98) }
```

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

```
.background{ background-color: rgb(240,  
117, 98) }
```

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