

# Converting Colors

XYZ(41.4907, 27.7716, 12.5157)

Have a look what the booklet for  
XYZ(41.4907, 27.7716, 12.5157)  
contains.

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# Color

**XYZ(41.5249, 27.8221,  
12.6328)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EE6359
RGB	238, 99, 89
RGB Percent	93%, 39%, 35%
CMY	0.0667, 0.6117, 0.6510
CMYK	0.00, 0.58, 0.63, 0.07
HSL	4°, 81%, 64%
HSV	4°, 63%, 93%
XYZ	41.5249, 27.8221, 12.6328
YIQ	139.4210, 86.0540, 26.3580

# Conversions

## Conversions Part 2

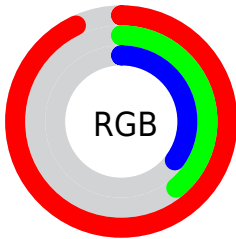
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 100, 89
Decimal	15623001
CIE <sub>Lab</sub>	59.73, 52.98, 33.02
CIE <sub>LCh</sub>	60, 62.431, 31.930
Yxy	27.8221, 0.5065, 0.3394
Android (android.graphics.Color)	4293813081 (0xFFEE6359)
YUV	139.4210, -24.8576, 86.4538
Hunter-Lab	52.7467, 48.2178, 22.7227

# Details

The XYZ color **41.5249, 27.8221, 12.6328** 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 **47.2935, 63.7791, 90.7064**, and the grayscale version is **24.7738, 26.0640, 28.3837**.

A 20% lighter version of the original color is **57.4558, 46.2353, 30.3221**, and **19.2044, 11.1323, 3.4221** is the 20% darker color. If you saturate the color by 10%, you get **38.8601, 23.8418, 7.5854**, and if you desaturate by 10%, it is **45.0920, 33.0907, 19.5746**.

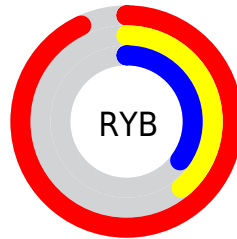
# Distribution



Red (93%)

Green (39%)

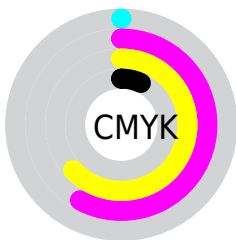
Blue (35%)



Red (93%)

Yellow (39%)

Blue (35%)

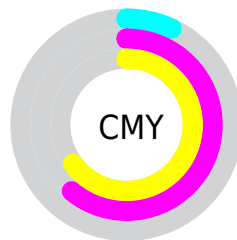


Cyan (0%)

Magenta (58%)

Yellow (63%)

Black (7%)



Cyan (7%)

Magenta (61%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5249, 27.8221, 12.6328 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 41.5249, 27.8221, 12.6328 by changing the saturation by 10% instead.



41.5249, 27.8221,  
12.6328

41.5249, 27.8221,  
12.6328

343.5349,  
291.6159, 219.6753

28.9189, 18.1916,  
7.0484

76.7498, 56.2003,  
31.3240

19.1635, 11.0876,  
3.4135

100.0994, 75.7168,  
45.2678

11.8932, 6.1258,  
1.3095

127.7609, 99.2974,  
62.8353

6.7427, 2.9217,  
0.0695

160.0997,  
127.3265, 84.4449

3.3466, 1.0910,  
0.0000

197.4812,  
160.1885, 110.5151

1.3396, 0.0000,  
0.0000

240.2706,

0.2126, 0.0000,

198.2678, 141.4646

0.0000

288.8334,  
241.9488, 177.7118

■ 0.0000, 0.0000,  
0.0000

■ 41.5249, 27.8221,  
12.6328

■ 41.5249, 27.8221,  
12.6328

■ 38.8601, 23.8418,  
7.5854

■ 45.0920, 33.0907,  
19.5746

■ 37.0145, 21.0350,  
4.2440

■ 49.6308, 39.7404,  
28.5719


■ 35.8931, 19.2744,  
2.3839


■ 55.2059, 47.8610,  
39.7703


■ 35.4448, 18.5472,  
1.7118

■ 61.8760, 57.5332,  
53.3016

■ 69.6954, 68.8320,  
69.2875

 78.7146, 81.8273,  
87.8411

 88.8844, 96.5465,  
108.5584

 89.0697, 96.9170,  
108.6201

# Harmonies

## Analogous

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



44.6922, 27.8221, 28.8531



41.5249, 27.8221, 12.6328



34.2456, 27.8221, 5.8523

# Triad

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



41.5249, 27.8221, 12.6328



15.1879, 27.8221, 14.1015



26.9585, 27.8221, 97.7850

# Complementary

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



41.5249, 27.8221, 12.6328



47.2935, 63.7791, 90.7064

# 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.



19.9277, 27.8221, 87.0905



41.5249, 27.8221, 12.6328



13.9935, 27.8221, 31.7811

# Square

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



41.5249, 27.8221, 12.6328



19.2035, 27.8221, 6.3552



15.5438, 27.8221, 59.5787



35.3082, 27.8221, 84.1641



# Rectangle

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



41.5249, 27.8221, 12.6328



28.6317, 27.8221, 4.4232



15.5438, 27.8221, 59.5787



24.3708, 27.8221, 96.9018

# Sweetspot

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



41.5256, 27.8236, 12.6333



75.4458, 71.7396, 68.6141



52.8449, 30.9271, 76.6312



15.6110, 14.5778, 13.5896



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.



41.5256, 27.8236, 12.6333



44.7840, 26.8787, 7.6410



52.0897, 48.9519, 16.1547



15.8580, 15.9292, 16.3885



19.8070, 10.4121, 0.9658



1.6774, 0.9254, 0.0902



# Inverse Universe

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



47.2935, 63.7791, 90.7064



51.9462, 71.8978, 105.7476



31.0367, 31.2654, 85.2874



16.1512, 17.7365, 20.2938



23.2235, 32.6712, 50.2100



1.9591, 2.7722, 4.1861



# Previews

## White Background



This preview shows how the XYZ color 41.5249, 27.8221, 12.6328 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 41.5249, 27.8221, 12.6328 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 41.5249, 27.8221, 12.6328**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.5249, 27.8221, 12.6328.



This preview shows how white text looks on a background with the XYZ color 41.5249, 27.8221,



# 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

41.5249, 27.8221, 12.6328

### Protanopia

26.1447, 27.9766, 17.9320

### Deuteranopia

28.5160, 28.0163, 11.8874



## Tritanopia

42.3195, 27.8794, 15.9827

# Trichromacy



## Original Color

41.5249, 27.8221, 12.6328

## Protanomaly

30.0270, 26.6727, 15.6223

## Deuteranomaly

32.4005, 27.2133, 12.1393

## Tritanomaly

42.1689, 27.9679, 14.7311

# Monochromacy



## Original Color

41.5249, 27.8221, 12.6328

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

28.3380, 24.9097, 21.4036

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5249, 27.8221, 12.6328 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(238, 99, 89)` looks like.

```
.text, #text, p{  
    color:rgb(238, 99, 89)  
}
```

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(238, 99, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 99, 89) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5249, 27.8221, 12.6328 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(238, 99, 89) }
```



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

```
.border{ border-color:rgb(238, 99, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 99, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 99, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 99, 89);  
box-shadow:4px 4px 4px 4px rgb(238, 99,  
89) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5249, 27.8221, 12.6328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 99, 89) }
```

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

```
.background{ background-color: rgb(238, 99,  
89) }
```

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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