

# Converting Colors

XYZ(39.7948, 25.4844, 6.9594)

Have a look what the booklet for  
XYZ(39.7948, 25.4844, 6.9594)  
contains.

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# Color

**XYZ(39.7942, 25.4829,  
6.9590)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EF573B
RGB	239, 87, 59
RGB Percent	94%, 34%, 23%
CMY	0.0627, 0.6588, 0.7686
CMYK	0.00, 0.64, 0.75, 0.06
HSL	9°, 85%, 58%
HSV	9°, 75%, 94%
XYZ	39.7942, 25.4829, 6.9590
YIQ	129.2560, 99.5800, 23.5160

# Conversions

## Conversions Part 2

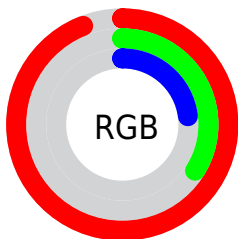
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 92, 59
Decimal	15685435
CIE Lab	57.54, 57.06, 46.83
CIE LCh	58, 73.816, 39.381
Yxy	25.4829, 0.5509, 0.3528
Android (android.graphics.Color)	4293875515 (0xFFEF573B)
YUV	129.2560, -34.6362, 96.2455
Hunter-Lab	50.4806, 52.3718, 27.1630

# Details

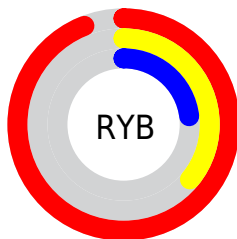
The XYZ color **39.7942, 25.4829, 6.9590** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **40.6754, 53.7455, 89.8908**, and the grayscale version is **21.0505, 22.1468, 24.1179**.

A 20% lighter version of the original color is **53.7692, 41.9876, 19.4578**, and **18.0722, 9.7938, 1.2857** is the 20% darker color. If you saturate the color by 10%, you get **37.8982, 22.4665, 3.9370**, and if you desaturate by 10%, it is **42.4315, 29.5288, 11.6269**.

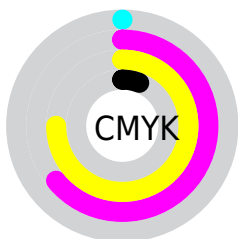
# Distribution



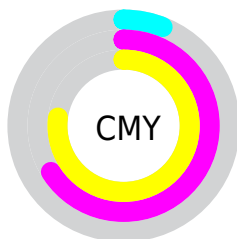
- Red (94%)
- Green (34%)
- Blue (23%)



- Red (94%)
- Yellow (36%)
- Blue (23%)



- Cyan (0%)
- Magenta (64%)
- Yellow (75%)
- Black (6%)




- Cyan (6%)
- Magenta (66%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7942, 25.4829, 6.9590 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 39.7942, 25.4829, 6.9590 by changing the saturation by 10% instead.





 39.7942, 25.4829,  
6.9590


 39.7942, 25.4829,  
6.9590

336.4047,  
280.2344, 176.9406


 27.5616, 16.4372,  
3.3584


 74.1364, 52.4396,  
20.4021

 18.1342, 9.8341,  
1.2804


 96.9767, 71.1193,  
31.0818


 11.1467, 5.2891,  
0.0457


 124.0836, 93.7792,  
44.9582

 6.2336, 2.4178,  
0.0000

 155.8224,  
120.8036, 62.4499

 3.0296, 0.8350,  
0.0000

 192.5586,  
152.5769, 83.9754

 1.1695, 0.0000,  
0.0000

 234.6575,

 0.0820, 0.0000,

189.4835, 109.9534

0.0000

282.4844,  
231.9079, 140.8023

■ 0.0000, 0.0000,  
0.0000

■ 39.7942, 25.4829,  
6.9590

■ 39.7942, 25.4829,  
6.9590

■ 37.8982, 22.4665,  
3.9370

■ 42.4315, 29.5288,  
11.6269

■ 36.6604, 20.3802,  
2.3243


■ 45.8772, 34.6829,  
18.1316

■ 36.2638, 19.6855,  
1.8884


■ 50.1927, 41.0210,  
26.6390


■ 55.4328, 48.6108,  
37.2961

■ 61.6476, 57.5151,  
50.2360

 68.8837, 67.7923,  
65.5809

 77.1847, 79.4972,  
83.4445

 86.5914, 92.6818,  
103.9330

 89.4063, 97.0906,  
108.6359

# Harmonies

## Analogous

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



45.0437, 25.4829, 20.5735



39.7942, 25.4829, 6.9590



30.6811, 25.4829, 2.6160

# Triad

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



39.7942, 25.4829, 6.9590



11.5851, 25.4829, 13.9414



27.0848, 25.4829, 108.2746

# Complementary

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



39.7942, 25.4829, 6.9590



40.6754, 53.7455, 89.8908

# 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.



18.7376, 25.4829, 102.3007



39.7942, 25.4829, 6.9590



11.0685, 25.4829, 36.4187

# Square

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



39.7942, 25.4829, 6.9590



14.9932, 25.4829, 4.6171



13.3551, 25.4829, 71.2467



36.6205, 25.4829, 84.5835



# Rectangle

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



39.7942, 25.4829, 6.9590



24.4039, 25.4829, 2.0247



13.3551, 25.4829, 71.2467



24.0385, 25.4829, 109.8819

# Sweetspot

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



39.7948, 25.4844, 6.9594



73.1891, 69.1524, 61.9239



49.0439, 26.2321, 64.7654



15.0577, 13.9349, 11.9755



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.



39.7948, 25.4844, 6.9594



43.1010, 24.6925, 3.4427



51.9111, 49.7170, 10.9982



15.9714, 16.1559, 16.4263



20.1004, 10.9988, 1.0636



1.7312, 1.0331, 0.1082



# Inverse Universe

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



40.6754, 53.7455, 89.8908



43.8702, 58.2467, 103.5383



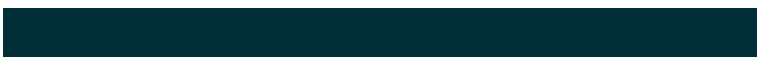
24.3432, 21.0810, 84.4467



16.0257, 17.4855, 20.2520



20.3363, 26.8969, 49.2476



1.7476, 2.3493, 4.1156



# Previews

## White Background



This preview shows how the XYZ color 39.7942, 25.4829, 6.9590 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 39.7942, 25.4829, 6.9590 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 39.7942, 25.4829, 6.9590**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7942, 25.4829, 6.9590.



This preview shows how white text looks on a background with the XYZ color 39.7942, 25.4829,

6.9590.

# 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

39.7942, 25.4829, 6.9590

### Protanopia

23.6395, 25.7455, 10.3801

### Deuteranopia

26.0392, 25.6085, 6.4763



## Tritanopia

40.7899, 25.4164, 11.9885

# Trichromacy



## Original Color

39.7942, 25.4829, 6.9590

## Protanomaly

27.5578, 24.0530, 8.8205

## Deuteranomaly

29.9140, 24.6181, 6.5433

## Tritanomaly

40.4451, 25.4017, 9.7925

# Monochromacy



## Original Color

39.7942, 25.4829, 6.9590

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

24.8782, 21.4691, 15.9294

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7942, 25.4829, 6.9590 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(239, 87, 59)` looks like.

```
.text, #text, p{  
    color:rgb(239, 87, 59)  
}
```

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(239, 87, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 87, 59) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7942, 25.4829, 6.9590 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(239, 87, 59) }
```



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

```
.border{ border-color:rgb(239, 87, 59) }
```

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

Here you see how a box with a 4 pixel rgb(239, 87, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 87, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 87, 59);  
box-shadow:4px 4px 4px 4px rgb(239, 87,  
59) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7942, 25.4829, 6.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 87, 59) }
```

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

```
.background{ background-color: rgb(239, 87,  
59) }
```

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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