

# Converting Colors

XYZ(41.4651, 26.6251, 7.6563)

Have a look what the booklet for  
XYZ(41.4651, 26.6251, 7.6563)  
contains.

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# Color

**XYZ(41.4317, 26.5583,  
7.6452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3593F
RGB	243, 89, 63
RGB Percent	95%, 35%, 25%
CMY	0.0471, 0.6509, 0.7529
CMYK	0.00, 0.63, 0.74, 0.05
HSL	9°, 88%, 60%
HSV	9°, 74%, 95%
XYZ	41.4317, 26.5583, 7.6452
YIQ	132.0820, 100.1300, 24.5620

# Conversions

## Conversions Part 2

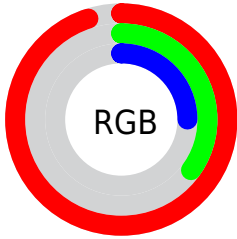
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 93, 63
Decimal	15948095
CIE <sub>Lab</sub>	58.56, 57.72, 46.05
CIE <sub>LCh</sub>	59, 73.837, 38.582
Yxy	26.5583, 0.5478, 0.3511
Android (android.graphics.Color)	4294138175 (0xFFFF3593F)
YUV	132.0820, -34.0574, 97.2751
Hunter-Lab	51.5347, 53.3205, 27.2786

# Details

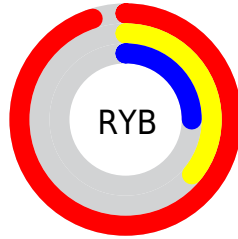
The XYZ color **41.4317, 26.5583, 7.6452** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **43.0379, 57.1486, 93.5558**, and the grayscale version is **22.0567, 23.2053, 25.2706**.

A 20% lighter version of the original color is **54.2900, 42.6807, 20.7060**, and **19.0759, 10.4050, 1.4932** is the 20% darker color. If you saturate the color by 10%, you get **39.4037, 23.3601, 4.3257**, and if you desaturate by 10%, it is **44.2487, 30.8560, 12.7051**.

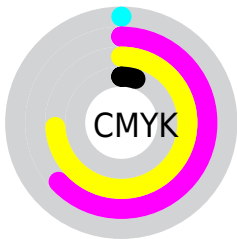
# Distribution



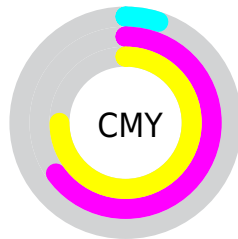
- Red (95%)
- Green (35%)
- Blue (25%)



- Red (95%)
- Yellow (36%)
- Blue (25%)



- Cyan (0%)
- Magenta (63%)
- Yellow (74%)
- Black (5%)




- Cyan (5%)
- Magenta (65%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4317, 26.5583, 7.6452 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 41.4317, 26.5583, 7.6452 by changing the saturation by 10% instead.





 41.4317, 26.5583,  
7.6452


 41.4317, 26.5583,  
7.6452

343.1535,  
285.5121, 182.7515


 28.8457, 17.2418,  
3.7843


 76.6094, 54.1743,  
21.7945

 19.1078, 10.4070,  
1.5078


 99.9318, 73.2425,  
32.9199


 11.8527, 5.6696,  
0.2237


 127.5637, 96.3301,  
47.3039

 6.7149, 2.6453,  
0.0000

 159.8705,  
123.8214, 65.3650

 3.3292, 0.9495,  
0.0000

 197.2175,  
156.1009, 87.5218

 1.3302, 0.0000,  
0.0000

 239.9701,

 0.2056, 0.0000,

193.5529, 114.1928

0.0000

288.4937,  
236.5618, 145.7965

■ 0.0000, 0.0000,  
0.0000

■ 41.4317, 26.5583,  
7.6452

■ 41.4317, 26.5583,  
7.6452

■ 39.4037, 23.3601,  
4.3257

■ 44.2487, 30.8560,  
12.7051

■ 38.0778, 21.1551,  
2.5063


■ 47.9253, 36.3375,  
19.7009


■ 37.5662, 20.2632,  
1.9312


■ 52.5260, 43.0837,  
28.8032

■ 58.1085, 51.1674,  
40.1635

■ 64.7259, 60.6556,  
53.9194

 72.4272, 71.6108,  
70.1972

 81.2584, 84.0918,  
89.1147

 90.7719, 97.7945,  
108.6998

# Harmonies

## Analogous

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



46.6498, 26.5583, 22.1011



41.4317, 26.5583, 7.6452



32.1439, 26.5583, 2.9134

# Triad

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



41.4317, 26.5583, 7.6452



12.2635, 26.5583, 14.2719



27.9292, 26.5583, 111.4629

# Complementary

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



41.4317, 26.5583, 7.6452



43.0379, 57.1486, 93.5558

# 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.



19.4078, 26.5583, 104.5247



41.4317, 26.5583, 7.6452



11.6519, 26.5583, 37.0085

# Square

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



41.4317, 26.5583, 7.6452



15.8732, 26.5583, 4.8380



13.9390, 26.5583, 72.4499



37.7216, 26.5583, 87.9720



# Rectangle

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



41.4317, 26.5583, 7.6452



25.6758, 26.5583, 2.2328



13.9390, 26.5583, 72.4499



24.8148, 26.5583, 112.8023

# Sweetspot

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



41.4323, 26.5598, 7.6456



73.8515, 70.0075, 63.5924



51.5255, 27.7241, 69.6530



15.3383, 14.3152, 12.6269



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.



41.4323, 26.5598, 7.6456



43.1106, 24.6648, 3.5904



53.5812, 50.8577, 11.6953



16.6923, 16.8687, 17.1738



20.6758, 11.2371, 1.0792



1.8749, 1.1031, 0.1141



# Inverse Universe

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



43.0379, 57.1486, 93.5558



44.7065, 59.8202, 103.7979



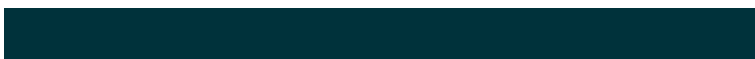
26.0778, 23.2284, 87.9025



16.7807, 18.3257, 21.1953



21.3205, 28.4347, 50.9028



1.9285, 2.6084, 4.4921



# Previews

## White Background



This preview shows how the XYZ color 41.4317, 26.5583, 7.6452 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 41.4317, 26.5583, 7.6452 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 41.4317, 26.5583, 7.6452**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4317, 26.5583, 7.6452.



This preview shows how white text looks on a background with the XYZ color 41.4317, 26.5583,

7.6452.

# 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

41.4317, 26.5583, 7.6452

### Protanopia

24.4904, 26.5975, 11.4325

### Deuteranopia

27.0722, 26.5373, 7.0635



## Tritanopia

42.4022, 26.4683, 12.5469

# Trichromacy



## Original Color

41.4317, 26.5583, 7.6452

## Protanomaly

28.6891, 24.9783, 9.7878

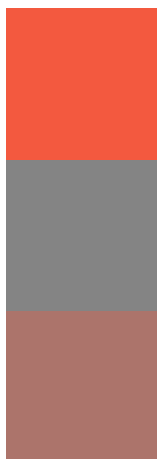
## Deuteranomaly

31.0364, 25.5316, 7.1632

## Tritanomaly

42.0840, 26.4679, 10.4802

# Monochromacy



## Original Color

41.4317, 26.5583, 7.6452

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

25.9125, 22.3230, 16.8529

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4317, 26.5583, 7.6452 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(243, 89, 63)` looks like.

```
.text, #text, p{  
    color:rgb(243, 89, 63)  
}
```

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(243, 89, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 89, 63) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4317, 26.5583, 7.6452 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(243, 89, 63) }
```



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

```
.border{ border-color:rgb(243, 89, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 89, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 89, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 89, 63);  
box-shadow:4px 4px 4px 4px rgb(243, 89,  
63) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4317, 26.5583, 7.6452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 89, 63) }
```

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

```
.background{ background-color: rgb(243, 89,  
63) }
```

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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