

# Converting Colors

XYZ(42.3386, 27.2940, 7.8898)

Have a look what the booklet for  
XYZ(42.3386, 27.2940, 7.8898)  
contains.

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# Color

**XYZ(42.3227, 27.2648,  
7.8825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F55B40
RGB	245, 91, 64
RGB Percent	96%, 36%, 25%
CMY	0.0392, 0.6431, 0.7490
CMYK	0.00, 0.63, 0.74, 0.04
HSL	9°, 90%, 61%
HSV	9°, 74%, 96%
XYZ	42.3227, 27.2648, 7.8825
YIQ	133.9680, 100.4510, 24.2510

# Conversions

## Conversions Part 2

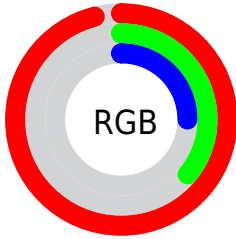
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 96, 64
Decimal	16079680
CIE <sub>Lab</sub>	59.22, 57.59, 46.33
CIE <sub>LCh</sub>	59, 73.916, 38.816
Yxy	27.2648, 0.5463, 0.3519
Android (android.graphics.Color)	4294269760 (0xFFFF55B40)
YUV	133.9680, -34.4942, 97.3751
Hunter-Lab	52.2157, 53.3032, 27.6006

# Details

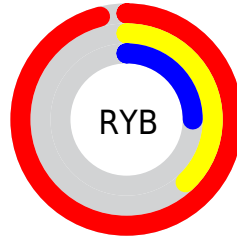
The XYZ color **42.3227, 27.2648, 7.8825** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed red. A complement of this color would be **43.6648, 57.8207, 95.2448**, and the grayscale version is **22.7464, 23.9310, 26.0608**.

A 20% lighter version of the original color is **54.6544, 43.3197, 21.1037**, and **19.6215, 10.7928, 1.5794** is the 20% darker color. If you saturate the color by 10%, you get **40.2311, 23.9633, 4.4683**, and if you desaturate by 10%, it is **45.2163, 31.6814, 13.0737**.

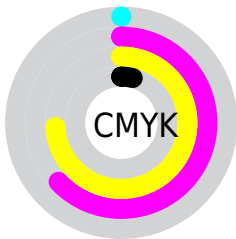
# Distribution



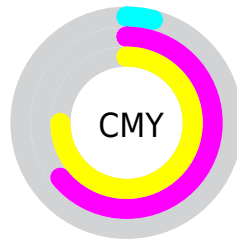
- Red (96%)
- Green (36%)
- Blue (25%)



- Red (96%)
- Yellow (38%)
- Blue (25%)



- Cyan (0%)
- Magenta (63%)
- Yellow (74%)
- Black (4%)




- Cyan (4%)
- Magenta (64%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3227, 27.2648, 7.8825 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 42.3227, 27.2648, 7.8825 by changing the saturation by 10% instead.





 42.3227, 27.2648,  
7.8825


 42.3227, 27.2648,  
7.8825


346.7878,  
288.9370, 184.7075


 29.5463, 17.7722,  
3.9332


 77.9499, 55.3085,  
22.2701


 19.6408, 10.7866,  
1.5887

 101.5314, 74.6284,  
33.5455


 12.2410, 5.9235,  
0.2828


 129.4452, 97.9928,  
48.1000

 6.9814, 2.7986,  
0.0000

 162.0568,  
125.7862, 66.3521

 3.4967, 1.0275,  
0.0000

 199.7315,  
158.3929, 88.7203

 1.4215, 0.0000,  
0.0000

 242.8347,

 0.2715, 0.0000,

196.1973, 115.6233

0.0000

291.7317,  
239.5839, 147.4795

■ 0.0000, 0.0000,  
0.0000

■ 42.3227, 27.2648,  
7.8825

■ 42.3227, 27.2648,  
7.8825

■ 40.2311, 23.9633,  
4.4683

■ 45.2163, 31.6814,  
13.0737

■ 38.8540, 21.6705,  
2.5870


■ 48.9829, 37.2971,  
20.2405


■ 38.3039, 20.7082,  
1.9782


■ 53.6875, 44.1932,  
29.5563

■ 59.3884, 52.4425,  
41.1752

■ 66.1389, 62.1123,  
55.2371

 73.9888, 73.2653,  
71.8706

 82.9843, 85.9605,  
91.1955

 91.4659, 98.1524,  
108.7323

# Harmonies

## Analogous

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



47.6713, 27.2648, 22.5668



42.3227, 27.2648, 7.8825



32.8613, 27.2648, 3.0539

# Triad

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



42.3227, 27.2648, 7.8825



12.6522, 27.2648, 14.8624



28.7269, 27.2648, 113.4032

# Complementary

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



42.3227, 27.2648, 7.8825



43.6648, 57.8207, 95.2448

# 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.



20.0227, 27.2648, 106.6263



42.3227, 27.2648, 7.8825



12.0492, 27.2648, 38.1659

# Square

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



42.3227, 27.2648, 7.8825



16.3165, 27.2648, 5.1001



14.4123, 27.2648, 74.2256



38.6875, 27.2648, 89.4013



# Rectangle

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



42.3227, 27.2648, 7.8825



26.2823, 27.2648, 2.3630



14.4123, 27.2648, 74.2256



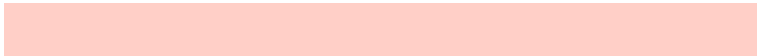
25.5499, 27.2648, 114.8483

# Sweetspot

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



42.3233, 27.2664, 7.8829



73.9158, 70.1361, 63.6138



52.5227, 28.2926, 71.0060



15.3532, 14.3450, 12.6319



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.



42.3233, 27.2664, 7.8829



43.1682, 24.7801, 3.6096



54.6281, 51.8760, 11.9845



16.6987, 16.8815, 17.1759



20.6962, 11.2779, 1.0860



1.8779, 1.1091, 0.1151



# Inverse Universe

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



43.6648, 57.8207, 95.2448



44.4223, 59.2516, 103.7032



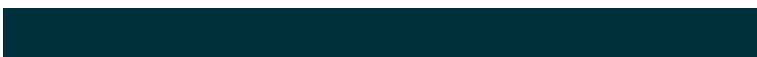
26.6273, 23.7457, 89.5656



16.7737, 18.3117, 21.1930



21.1694, 28.1327, 50.8524



1.9166, 2.5847, 4.4881



# Previews

## White Background



This preview shows how the XYZ color 42.3227, 27.2648, 7.8825 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 42.3227, 27.2648, 7.8825 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 42.3227, 27.2648, 7.8825**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3227, 27.2648, 7.8825.



This preview shows how white text looks on a background with the XYZ color 42.3227, 27.2648,



# 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

42.3227, 27.2648, 7.8825

### Protanopia

25.2123, 27.4071, 11.7459

### Deuteranopia

27.8301, 27.3396, 7.3003



## Tritanopia

43.3460, 27.1819, 13.0873

# Trichromacy



## Original Color

42.3227, 27.2648, 7.8825

## Protanomaly

29.4639, 25.7421, 10.0724

## Deuteranomaly

31.8373, 26.2950, 7.4004

## Tritanomaly

43.0187, 27.1815, 10.9619

# Monochromacy



## Original Color

42.3227, 27.2648, 7.8825

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

26.6943, 23.0597, 17.5120

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3227, 27.2648, 7.8825 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, 91, 64)` looks like.

```
.text, #text, p{  
    color:rgb(245, 91, 64)  
}
```

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, 91, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 91, 64) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3227, 27.2648, 7.8825 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, 91, 64) }
```



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

```
.border{ border-color:rgb(245, 91, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 91, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 91, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 91, 64);  
box-shadow:4px 4px 4px 4px rgb(245, 91,  
64) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3227, 27.2648, 7.8825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 91, 64) }
```

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

```
.background{ background-color: rgb(245, 91,  
64) }
```

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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