

# Converting Colors

XYZ(41.7792, 27.0616, 7.6643)

Have a look what the booklet for  
XYZ(41.7792, 27.0616, 7.6643)  
contains.

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# Color

**XYZ(41.6865, 27.0679,  
7.7301)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F35C3F
RGB	243, 92, 63
RGB Percent	95%, 36%, 25%
CMY	0.0471, 0.6392, 0.7529
CMYK	0.00, 0.62, 0.74, 0.05
HSL	10°, 88%, 60%
HSV	10°, 74%, 95%
XYZ	41.6865, 27.0679, 7.7301
YIQ	133.8430, 99.3050, 22.9930

# Conversions

## Conversions Part 2

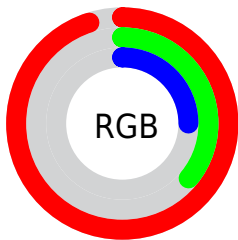
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 98, 63
Decimal	15948863
CIE <sub>Lab</sub>	59.04, 56.45, 46.56
CIE <sub>LCh</sub>	59, 73.176, 39.515
Yxy	27.0679, 0.5450, 0.3539
Android (android.graphics.Color)	4294138943 (0xFFFF35C3F)
YUV	133.8430, -34.9256, 95.7307
Hunter-Lab	52.0268, 51.9762, 27.6095

# Details

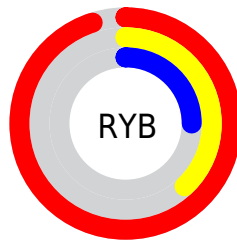
The XYZ color **41.6865, 27.0679, 7.7301** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **42.2716, 55.6160, 93.3004**, and the grayscale version is **22.7022, 23.8845, 26.0102**.

A 20% lighter version of the original color is **54.7545, 43.6097, 20.8609**, and **19.2004, 10.6541, 1.5347** is the 20% darker color. If you saturate the color by 10%, you get **39.6164, 23.7856, 4.3966**, and if you desaturate by 10%, it is **44.5322, 31.4230, 12.7995**.

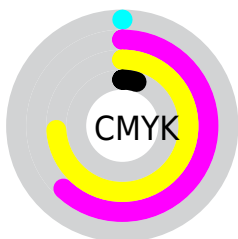
# Distribution



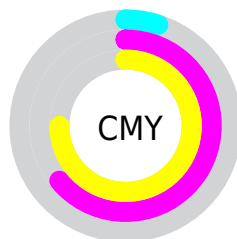
- Red (95%)
- Green (36%)
- Blue (25%)



- Red (95%)
- Yellow (38%)
- Blue (25%)



- Cyan (0%)
- Magenta (62%)
- Yellow (74%)
- Black (5%)




- Cyan (5%)
- Magenta (64%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6865, 27.0679, 7.7301 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 41.6865, 27.0679, 7.7301 by changing the saturation by 10% instead.





 41.6865, 27.0679,  
7.7301


 41.6865, 27.0679,  
7.7301

344.1955,  
287.9857, 183.4543


 29.0459, 17.6242,  
3.8374


 76.9931, 54.9928,  
21.9650

 19.2600, 10.6805,  
1.5366


 100.3898, 74.2428,  
33.1443

 11.9634, 5.8525,  
0.2450


 128.1026, 97.5304,  
47.5896

 6.7908, 2.7556,  
0.0000

 160.4969,  
125.2400, 65.7193

 3.3768, 1.0055,  
0.0000

 197.9379,  
157.7559, 87.9522

 1.3560, 0.0000,  
0.0000

 240.7911,

 0.2245, 0.0000,

195.4626, 114.7066

0.0000

289.4219,  
238.7444, 146.4011

■ 0.0000, 0.0000,  
0.0000

■ 41.6865, 27.0679,  
7.7301

■ 41.6865, 27.0679,  
7.7301

■ 39.6164, 23.7856,  
4.3966

■ 44.5322, 31.4230,  
12.7995

■ 38.2383, 21.4763,  
2.5598


■ 48.2214, 36.9297,  
19.7995


■ 37.6927, 20.5163,  
1.9734


■ 52.8164, 43.6645,  
28.8999

■ 58.3728, 51.6961,  
40.2516

■ 64.9420, 61.0879,  
53.9913

 72.5714, 71.8993,  
70.2452

 81.3055, 84.1860,  
89.1303

 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.



47.0775, 27.0679, 21.9544



41.6865, 27.0679, 7.7301



32.3349, 27.0679, 3.0629

# Triad

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



41.6865, 27.0679, 7.7301



12.5914, 27.0679, 15.2064



28.7230, 27.0679, 111.4233

# Complementary

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



41.6865, 27.0679, 7.7301



42.2716, 55.6160, 93.3004

# 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.



20.0872, 27.0679, 105.5254



41.6865, 27.0679, 7.7301



12.0624, 27.0679, 38.5361

# Square

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



41.6865, 27.0679, 7.7301



16.1392, 27.0679, 5.2777



14.4705, 27.0679, 74.1179



38.5141, 27.0679, 87.3360



# Rectangle

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



41.6865, 27.0679, 7.7301



25.8754, 27.0679, 2.4161



14.4705, 27.0679, 74.1179



25.5796, 27.0679, 113.0969

# Sweetspot

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



41.6871, 27.0694, 7.7305



74.0787, 70.4620, 63.6681



51.1340, 27.5675, 67.5914



15.3909, 14.4204, 12.6444



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.



41.6871, 27.0694, 7.7305



43.3191, 25.0819, 3.6599



54.1803, 52.0559, 11.8949



16.7148, 16.9137, 17.1813



20.7504, 11.3865, 1.1041



1.8856, 1.1243, 0.1176



# Inverse Universe

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



42.2716, 55.6160, 93.3004



43.7118, 57.8307, 103.4663



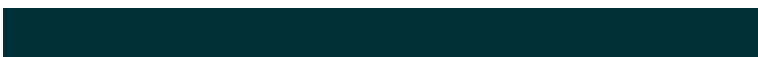
25.6884, 22.4496, 87.7727



16.7560, 18.2763, 21.1871



20.7925, 27.3787, 50.7268



1.8870, 2.5254, 4.4782



# Previews

## White Background



This preview shows how the XYZ color 41.6865, 27.0679, 7.7301 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 41.6865, 27.0679, 7.7301 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 41.6865, 27.0679, 7.7301**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.6865, 27.0679, 7.7301.



This preview shows how white text looks on a background with the XYZ color 41.6865, 27.0679,



# 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

41.6865, 27.0679, 7.7301

### Protanopia

25.1384, 27.3775, 11.3566

### Deuteranopia

27.6667, 27.0500, 7.1311



## Tritanopia

42.7737, 27.0029, 13.3136

# Trichromacy



## Original Color

41.6865, 27.0679, 7.7301

## Protanomaly

29.1493, 25.5877, 9.7059

## Deuteranomaly

31.6925, 26.0456, 7.2278

## Tritanomaly

42.4036, 26.9870, 10.9567

# Monochromacy



## Original Color

41.6865, 27.0679, 7.7301

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

26.7592, 23.2750, 17.2695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.6865, 27.0679, 7.7301 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, 92, 63)` looks like.

```
.text, #text, p{  
    color:rgb(243, 92, 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, 92, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 92, 63) }
```

## Border

The CSS property to change the border of an element to XYZ 41.6865, 27.0679, 7.7301 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, 92, 63) }
```



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

```
.border{ border-color:rgb(243, 92, 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, 92, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 92, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 92, 63);  
box-shadow:4px 4px 4px 4px rgb(243, 92,  
63) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.6865, 27.0679, 7.7301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 92, 63) }
```

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

```
.background{ background-color: rgb(243, 92,  
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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