

# Converting Colors

XYZ(41.3229, 27.4264, 3.4484)

Have a look what the booklet for  
XYZ(41.3229, 27.4264, 3.4484)  
contains.

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# Color

**XYZ(41.1207, 27.2656,  
3.4433)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F35F0C
RGB	243, 95, 12
RGB Percent	95%, 37%, 5%
CMY	0.0471, 0.6274, 0.9529
CMYK	0.00, 0.61, 0.95, 0.05
HSL	22°, 91%, 50%
HSV	22°, 95%, 95%
XYZ	41.1207, 27.2656, 3.4433
YIQ	129.7900, 114.8510, 5.5630

# Conversions

## Conversions Part 2

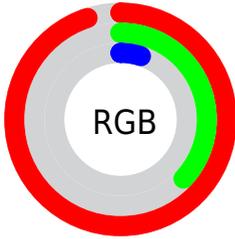
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 142, 12
Decimal	15949580
CIE <sub>Lab</sub>	59.22, 53.94, 66.44
CIE <sub>LCh</sub>	59, 85.581, 50.929
Yxy	27.2656, 0.5725, 0.3796
Android (android.graphics.Color)	4294139660 (0xFFFF35F0C)
YUV	129.7900, -58.0705, 99.2852
Hunter-Lab	52.2165, 49.1907, 32.6418

# Details

The XYZ color **41.1207, 27.2656, 3.4433** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **28.8991, 31.6889, 89.3868**, and the grayscale version is **21.3154, 22.4255, 24.4214**.

A 20% lighter version of the original color is **53.2837, 43.5276, 11.5546**, and **19.0532, 10.8512, 1.0903** is the 20% darker color. If you saturate the color by 10%, you get **40.3959, 25.9226, 2.8745**, and if you desaturate by 10%, it is **42.9234, 30.4606, 5.3107**.

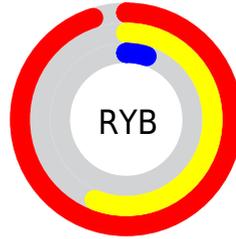
# Distribution



Red (95%)

Green (37%)

Blue (5%)



Red (95%)

Yellow (56%)

Blue (5%)

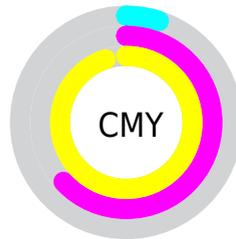


Cyan (0%)

Magenta (61%)

Yellow (95%)

Black (5%)



Cyan (5%)

Magenta (63%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1207, 27.2656, 3.4433 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 41.1207, 27.2656, 3.4433 by changing the saturation by 10% instead.



 41.1207, 27.2656,  
3.4433

 41.1207, 27.2656,  
3.4433

341.8788,  
288.9408, 141.8206

 28.6015, 17.7728,  
1.3252

 76.1406, 55.3098,  
12.7040

 18.9223, 10.7870,  
0.0823

 99.3721, 74.6299,  
20.6837

 11.7178, 5.9238,  
0.0000

 126.9050, 97.9947,  
31.4543

 6.6227, 2.7988,  
0.0000

 159.1047,  
125.7884, 45.4345

 3.2715, 1.0276,  
0.0000

 196.3366,  
158.3955, 63.0426

 1.2989, 0.0000,  
0.0000

 238.9660,

 0.1824, 0.0000,

196.2003, 84.6973

0.0000

 287.3583,  
239.5873, 110.8172

 0.0000, 0.0000,  
0.0000

 41.1207, 27.2656,  
3.4433

 41.1207, 27.2656,  
3.4433

 40.3959, 25.9226,  
2.8745

 42.9234, 30.4606,  
5.3107

 45.2730, 34.3461,  
8.6025

 48.2282, 38.9697,  
13.5544

 51.8379, 44.3724,  
20.3583

 56.1452, 50.5915,  
29.1793

61.1892, 57.6616,  
40.1642

67.0056, 65.6152,  
53.4458

73.6279, 74.4830,  
69.1462

81.0871, 84.2939,  
87.3788

# Harmonies

## Analogous

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



50.1968, 27.2656, 13.2534



41.1207, 27.2656, 3.4433



29.2870, 27.2656, 1.2550

# Triad

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



41.1207, 27.2656, 3.4433



10.4735, 27.2656, 21.3523



33.9586, 27.2656, 125.3685

# Complementary

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



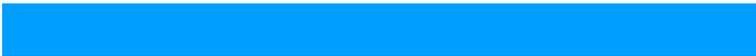
41.1207, 27.2656, 3.4433



28.8991, 31.6889, 89.3868

# 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.



22.8126, 27.2656, 133.7595



41.1207, 27.2656, 3.4433



11.0848, 27.2656, 56.0195

# Square

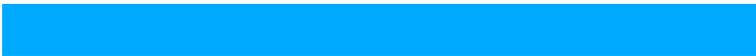
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.1207, 27.2656, 3.4433



13.0248, 27.2656, 5.9155



15.0133, 27.2656, 102.6852



45.3354, 27.2656, 84.2736



# Rectangle

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



41.1207, 27.2656, 3.4433



22.2158, 27.2656, 1.2956



15.0133, 27.2656, 102.6852



30.0039, 27.2656, 132.8586

# Sweetspot

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



41.1213, 27.2672, 3.4437



72.0497, 69.5263, 53.3655



43.6284, 21.9316, 36.1866



14.8369, 14.0798, 10.0940



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.



41.1213, 27.2672, 3.4437



45.0352, 28.8504, 3.1951



59.6695, 64.3637, 9.6265



16.9865, 17.4571, 17.2718



22.2868, 14.4592, 1.6163



2.0525, 1.4582, 0.1733



# Inverse Universe

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



28.8991, 31.6889, 89.3868



31.2129, 33.5458, 99.4376



17.3320, 8.5547, 85.5311



16.4667, 17.6976, 21.0907



15.5067, 16.8071, 48.9648



1.4600, 1.6713, 4.3359



# Previews

## White Background



This preview shows how the XYZ color 41.1207, 27.2656, 3.4433 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

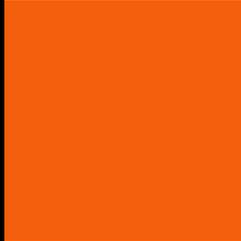
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.1207, 27.2656, 3.4433 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

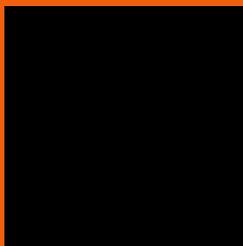
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.1207, 27.2656, 3.4433**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1207, 27.2656, 3.4433.



This preview shows how white text looks on a background with the XYZ color 41.1207, 27.2656,



# 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

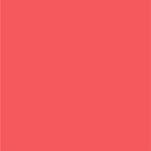
41.1207, 27.2656, 3.4433

### Protanopia

24.7182, 27.3011, 5.0038

### Deuteranopia

27.6266, 27.3116, 3.8156



## Tritanopia

43.2489, 27.3654, 13.5923

# Trichromacy



## Original Color

41.1207, 27.2656, 3.4433

## Protanomaly

29.0915, 26.0560, 4.2551

## Deuteranomaly

31.4879, 26.3800, 3.5471

## Tritanomaly

41.9747, 27.0854, 7.8662

# Monochromacy



## Original Color

41.1207, 27.2656, 3.4433

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

24.8762, 22.0686, 11.9654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1207, 27.2656, 3.4433 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, 95, 12)` looks like.

```
.text, #text, p{  
    color:rgb(243, 95, 12)  
}
```

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, 95, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 95, 12) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1207, 27.2656, 3.4433 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, 95, 12) }
```



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

```
.border{ border-color:rgb(243, 95, 12) }
```

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

Here you see how a box with a 4 pixel rgb(243, 95, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 95, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 95, 12);  
box-shadow:4px 4px 4px 4px rgb(243, 95,  
12) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1207, 27.2656, 3.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 95, 12) }
```

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

```
.background{ background-color: rgb(243, 95,  
12) }
```

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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