

# Converting Colors

XYZ(44.0490, 27.9487, 4.8899)

Have a look what the booklet for  
XYZ(44.0490, 27.9487, 4.8899)  
contains.

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# Color

**XYZ(44.0671, 27.9801,  
4.9118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC5926
RGB	252, 89, 38
RGB Percent	99%, 35%, 15%
CMY	0.0118, 0.6509, 0.8510
CMYK	0.00, 0.65, 0.85, 0.01
HSL	14°, 97%, 57%
HSV	14°, 85%, 99%
XYZ	44.0671, 27.9801, 4.9118
YIQ	131.9230, 113.5190, 18.6950

# Conversions

## Conversions Part 2

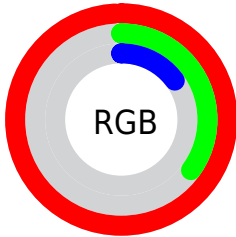
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 105, 38
Decimal	16537894
CIE <sub>Lab</sub>	59.87, 59.96, 59.62
CIE <sub>LCh</sub>	60, 84.551, 44.836
Yxy	27.9801, 0.5726, 0.3636
Android (android.graphics.Color)	4294727974 (0xFFFC5926)
YUV	131.9230, -46.3040, 105.3075
Hunter-Lab	52.8962, 56.1375, 31.5218

# Details

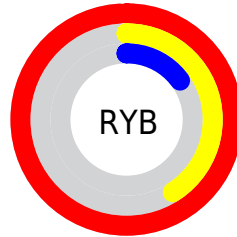
The XYZ color **44.0671, 27.9801, 4.9118** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **39.2543, 49.2091, 99.5242**, and the grayscale version is **22.0387, 23.1864, 25.2500**.

A 20% lighter version of the original color is **53.1686, 42.2321, 14.8005**, and **20.8202, 11.2181, 1.0680** is the 20% darker color. If you saturate the color by 10%, you get **42.3947, 25.0813, 2.9808**, and if you desaturate by 10%, it is **46.4315, 31.8246, 8.4277**.

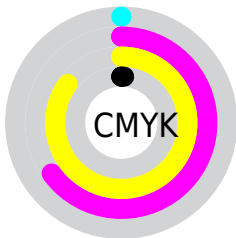
# Distribution



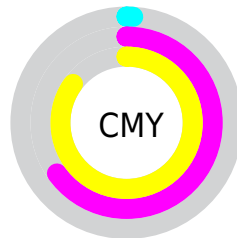
- Red (99%)
- Green (35%)
- Blue (15%)



- Red (99%)
- Yellow (41%)
- Blue (15%)



- Cyan (0%)
- Magenta (65%)
- Yellow (85%)
- Black (1%)




- Cyan (1%)
- Magenta (65%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.0671, 27.9801, 4.9118 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 44.0671, 27.9801, 4.9118 by changing the saturation by 10% instead.





 44.0671, 27.9801,  
4.9118


 44.0671, 27.9801,  
4.9118


353.8296,  
292.3718, 157.8770


 30.9214, 18.3107,  
2.1378


 80.5644, 56.4527,  
16.0633


 20.6905, 11.1733,  
0.6381


 104.6468, 76.0246,  
25.2779


 13.0092, 6.1835,  
0.0000


 133.1054, 99.6661,  
37.4764

 7.5119, 2.9570,  
0.0000

 166.3056,  
127.7617, 53.0774

 3.8334, 1.1093,  
0.0000

 204.6127,  
160.6956, 72.4994

 1.6083, 0.0000,  
0.0000

 248.3922,

 0.3978, 0.0000,

198.8524, 96.1610

0.0000

298.0094,  
242.6163, 124.4807

■ 0.0000, 0.0000,  
0.0000

■ 44.0671, 27.9801,  
4.9118

■ 44.0671, 27.9801,  
4.9118

■ 42.3947, 25.0813,  
2.9808

■ 46.4315, 31.8246,  
8.4277

■ 41.7640, 23.9340,  
2.4185

■ 49.5634, 36.6880,  
13.7891

■ 53.5293, 42.6413,  
21.2101

■ 58.3871, 49.7473,  
30.8748

■ 64.1896, 58.0638,  
42.9467

70.9850, 67.6446,  
57.5740

78.8182, 78.5403,  
74.8927

87.7314, 90.7987,  
95.0295

93.9546, 99.4353,  
108.8487

# Harmonies

## Analogous

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



51.9322, 27.9801, 17.7044



44.0671, 27.9801, 4.9118



32.3630, 27.9801, 1.6214

# Triad

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



44.0671, 27.9801, 4.9118



11.2401, 27.9801, 17.4783



32.2334, 27.9801, 130.6816

# Complementary

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



44.0671, 27.9801, 4.9118



39.2543, 49.2091, 99.5242

# 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.



21.5553, 27.9801, 130.4511



44.0671, 27.9801, 4.9118



11.2229, 27.9801, 48.2338

# Square

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



44.0671, 27.9801, 4.9118



14.5405, 27.9801, 4.8415



14.4849, 27.9801, 93.9845



43.9505, 27.9801, 94.4911



# Rectangle

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



44.0671, 27.9801, 4.9118



24.8928, 27.9801, 1.3739



14.4849, 27.9801, 93.9845



28.3715, 27.9801, 135.3810

# Sweetspot

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



44.0677, 27.9817, 4.9122



72.8502, 69.3901, 58.9886



51.5063, 26.3490, 58.2895



15.0429, 14.0803, 11.4312



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.



44.0677, 27.9817, 4.9122



42.8971, 24.5743, 2.4824



59.9946, 59.8355, 10.2212



17.5805, 17.8968, 17.9902



21.8495, 12.6557, 1.2912



2.1019, 1.3286, 0.1457



# Inverse Universe

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



39.2543, 49.2091, 99.5242



37.3903, 45.9005, 101.4968



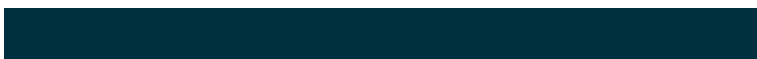
22.4682, 15.6369, 93.9288



17.3947, 18.8662, 22.1100



19.0838, 23.5232, 51.5082



1.8488, 2.3412, 4.7976



# Previews

## White Background



This preview shows how the XYZ color 44.0671, 27.9801, 4.9118 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 44.0671, 27.9801, 4.9118 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 44.0671, 27.9801, 4.9118**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.0671, 27.9801, 4.9118.



This preview shows how white text looks on a background with the XYZ color 44.0671, 27.9801,



# 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

44.0671, 27.9801, 4.9118

### Protanopia

25.6455, 28.1801, 7.3365

### Deuteranopia

28.5467, 27.9877, 4.2784



## Tritanopia

45.8048, 28.1161, 12.2453

# Trichromacy



## Original Color

44.0671, 27.9801, 4.9118

## Protanomaly

30.3524, 26.4746, 6.1997

## Deuteranomaly

32.8737, 26.9008, 4.2188

## Tritanomaly

44.9413, 27.9804, 8.8264

# Monochromacy



## Original Color

44.0671, 27.9801, 4.9118

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

26.3545, 22.6027, 14.5290

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.0671, 27.9801, 4.9118 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(252, 89, 38)` looks like.

```
.text, #text, p{  
    color:rgb(252, 89, 38)  
}
```

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(252, 89, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 89, 38) }
```

## Border

The CSS property to change the border of an element to XYZ 44.0671, 27.9801, 4.9118 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(252, 89, 38) }
```



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

```
.border{ border-color:rgb(252, 89, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 89, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 89, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 89, 38);  
box-shadow:4px 4px 4px 4px rgb(252, 89,  
38) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.0671, 27.9801, 4.9118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 89, 38) }
```

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

```
.background{ background-color: rgb(252, 89,  
38) }
```

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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