

# Converting Colors

XYZ(42.8389, 26.5096, 4.1809)

Have a look what the booklet for  
XYZ(42.8389, 26.5096, 4.1809)  
contains.

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# Color

**XYZ(42.6890, 26.4575,  
4.1532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA521F
RGB	250, 82, 31
RGB Percent	98%, 32%, 12%
CMY	0.0196, 0.6784, 0.8784
CMYK	0.00, 0.67, 0.88, 0.02
HSL	14°, 96%, 55%
HSV	14°, 88%, 98%
XYZ	42.6890, 26.4575, 4.1532
YIQ	126.4180, 116.4990, 19.7550

# Conversions

## Conversions Part 2

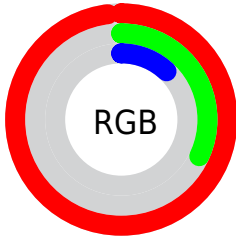
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 97, 31
Decimal	16405023
CIE <sub>Lab</sub>	58.47, 61.92, 61.07
CIE <sub>LCh</sub>	58, 86.972, 44.603
Yxy	26.4575, 0.5824, 0.3609
Android (android.graphics.Color)	4294595103 (0xFFFA521F)
YUV	126.4180, -47.0411, 108.3814
Hunter-Lab	51.4369, 58.1280, 31.2185

# Details

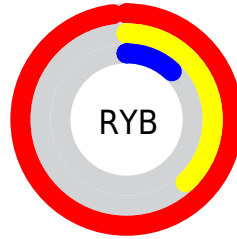
The XYZ color **42.6890, 26.4575, 4.1532** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **38.2416, 48.0359, 97.6982**, and the grayscale version is **20.1028, 21.1497, 23.0320**.

A 20% lighter version of the original color is **51.9956, 40.3344, 13.0275**, and **20.0727, 10.4445, 0.9580** is the 20% darker color. If you saturate the color by 10%, you get **41.2253, 23.8737, 2.6076**, and if you desaturate by 10%, it is **44.8099, 29.9533, 7.1615**.

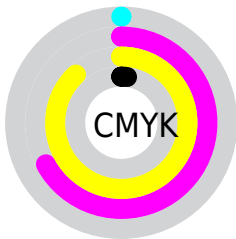
# Distribution



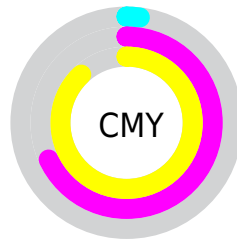
- Red (98%)
- Green (32%)
- Blue (12%)



- Red (98%)
- Yellow (38%)
- Blue (12%)



- Cyan (0%)
- Magenta (67%)
- Yellow (88%)
- Black (2%)




- Cyan (2%)
- Magenta (68%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6890, 26.4575, 4.1532 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 42.6890, 26.4575, 4.1532 by changing the saturation by 10% instead.




 42.6890, 26.4575,  
4.1532


 42.6890, 26.4575,  
4.1532


348.2744,  
285.0207, 149.9133


 29.8346, 17.1662,  
1.7098


 78.5000, 54.0121,  
14.3616

 19.8606, 10.3531,  
0.3674


 102.1873, 73.0442,  
22.9636

 12.4014, 5.6337,  
0.0000


 130.2163, 96.0920,  
34.4555

 7.0918, 2.6236,  
0.0000

 162.9524,  
123.5399, 49.2560

 3.5664, 0.9386,  
0.0000

 200.7609,  
155.7724, 67.7834


 1.4599, 0.0000,  
0.0000

 244.0072,


 0.2983, 0.0000,


193.1737, 90.4564


0.0000


 293.0566,  
236.1284, 117.6935


 0.0000, 0.0000,  
0.0000


 42.6890, 26.4575,  
4.1532


 42.6890, 26.4575,  
4.1532


 41.2253, 23.8737,  
2.6076

 44.8099, 29.9533,  
7.1615

 40.9488, 23.3732,  
2.3532

 47.6698, 34.4389,  
11.9199

 51.3370, 39.9871,  
18.6488

 55.8708, 46.6623,  
27.5355

 61.3247, 54.5236,  
38.7453

67.7476, 63.6257,  
52.4274

75.1848, 74.0200,  
68.7183

83.6788, 85.7548,  
87.7446

93.1078, 98.8112,  
108.7729

# Harmonies

## Analogous

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



50.5674, 26.4575, 16.4256



42.6890, 26.4575, 4.1532



30.9741, 26.4575, 1.2030

# Triad

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



42.6890, 26.4575, 4.1532



10.1396, 26.4575, 15.8923



30.6606, 26.4575, 130.7055

# Complementary

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



42.6890, 26.4575, 4.1532



38.2416, 48.0359, 97.6982

# 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.



20.1009, 26.4575, 130.1305



42.6890, 26.4575, 4.1532



10.0996, 26.4575, 46.2308

# Square

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



42.6890, 26.4575, 4.1532



13.3514, 26.4575, 3.9974



13.2204, 26.4575, 92.5668



42.4044, 26.4575, 93.8224



# Rectangle

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



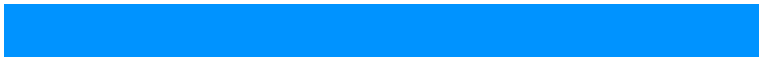
42.6890, 26.4575, 4.1532



23.5422, 26.4575, 0.9872



13.2204, 26.4575, 92.5668



26.8233, 26.4575, 135.4265

# Sweetspot

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



42.6896, 26.4591, 4.1536



72.0195, 68.1747, 57.3367



50.6401, 25.5943, 58.4903



14.8789, 13.8376, 11.1138



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.



42.6896, 26.4591, 4.1536



42.8243, 24.4286, 2.4581



57.6440, 56.3680, 9.1384



17.5727, 17.8812, 17.9876



21.8108, 12.5783, 1.2783



2.0973, 1.3194, 0.1441

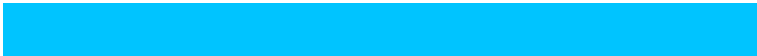


# Inverse Universe

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



38.2416, 48.0359, 97.6982



37.7010, 46.5221, 101.6003



21.7392, 15.0312, 92.1974



17.4030, 18.8829, 22.1128



19.2397, 23.8350, 51.5601



1.8620, 2.3677, 4.8021



# Previews

## White Background



This preview shows how the XYZ color 42.6890, 26.4575, 4.1532 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 42.6890, 26.4575, 4.1532 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 42.6890, 26.4575, 4.1532**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6890, 26.4575, 4.1532.



This preview shows how white text looks on a background with the XYZ color 42.6890, 26.4575,



# 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

42.6890, 26.4575, 4.1532

### Protanopia

24.1186, 26.5161, 6.4317

### Deuteranopia

26.8852, 26.5152, 3.7009



## Tritanopia

43.9227, 26.4111, 10.5674

# Trichromacy



## Original Color

42.6890, 26.4575, 4.1532

## Protanomaly

28.6026, 24.6694, 5.3520

## Deuteranomaly

31.0930, 25.1230, 3.5271

## Tritanomaly

43.4768, 26.4601, 7.5184

# Monochromacy



## Original Color

42.6890, 26.4575, 4.1532

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

24.2588, 20.5651, 12.5884

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6890, 26.4575, 4.1532 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(250, 82, 31)` looks like.

```
.text, #text, p{  
    color:rgb(250, 82, 31)  
}
```

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(250, 82, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 82, 31) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6890, 26.4575, 4.1532 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(250, 82, 31) }
```



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

```
.border{ border-color:rgb(250, 82, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 82, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 82, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 82, 31);  
box-shadow:4px 4px 4px 4px rgb(250, 82,  
31) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6890, 26.4575, 4.1532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 82, 31) }
```

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

```
.background{ background-color: rgb(250, 82,  
31) }
```

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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