

# Converting Colors

XYZ(43.8991, 29.5417, 9.5379)

Have a look what the booklet for  
XYZ(43.8991, 29.5417, 9.5379)  
contains.

<b>XYZ(43.9271, 29.5635, 9.5220)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.9271, 29.5635,  
9.5220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F66648
RGB	246, 102, 72
RGB Percent	96%, 40%, 28%
CMY	0.0353, 0.6000, 0.7176
CMYK	0.00, 0.59, 0.71, 0.04
HSL	10°, 91%, 62%
HSV	10°, 71%, 96%
XYZ	43.9271, 29.5635, 9.5220
YIQ	141.6360, 95.4540, 21.1980

# Conversions

## Conversions Part 2

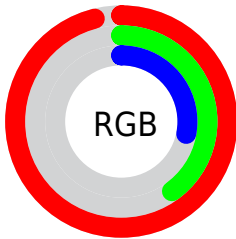
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 108, 72
Decimal	16148040
CIE <sub>Lab</sub>	61.28, 53.49, 44.46
CIE <sub>LCh</sub>	61, 69.555, 39.732
Yxy	29.5635, 0.5292, 0.3561
Android (android.graphics.Color)	4294338120 (0xFFFF66648)
YUV	141.6360, -34.3305, 91.5272
Hunter-Lab	54.3723, 49.0576, 27.6774

# Details

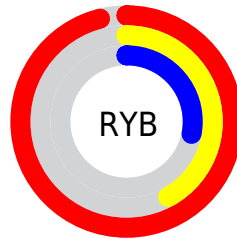
The XYZ color **43.9271, 29.5635, 9.5220** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.8606, 57.1386, 95.9053**, and the grayscale version is **25.6734, 27.0104, 29.4144**.

A 20% lighter version of the original color is **56.8098, 46.7791, 24.4474**, and **20.6809, 12.0915, 2.1636** is the 20% darker color. If you saturate the color by 10%, you get **41.5181, 25.7834, 5.5204**, and if you desaturate by 10%, it is **47.1495, 34.4576, 15.3779**.

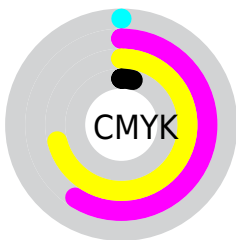
# Distribution



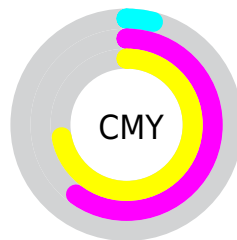
- Red (96%)
- Green (40%)
- Blue (28%)



- Red (96%)
- Yellow (42%)
- Blue (28%)



- Cyan (0%)
- Magenta (59%)
- Yellow (71%)
- Black (4%)




- Cyan (4%)
- Magenta (60%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.9271, 29.5635, 9.5220 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 43.9271, 29.5635, 9.5220 by changing the saturation by 10% instead.





 43.9271, 29.5635,  
9.5220


 43.9271, 29.5635,  
9.5220


353.2679,  
299.8645, 197.5849


 30.8109, 19.5075,  
4.9818


 80.3551, 58.9712,  
25.4861


 20.6060, 12.0376,  
2.1780


 104.3975, 79.0917,  
37.7470


 12.9471, 6.7693,  
0.6616


 132.8127,  
103.3358, 53.4185

 7.4689, 3.3182,  
0.0000

 165.9661,  
132.0879, 72.9193

 3.8060, 1.3000,  
0.0000

 204.2229,  
165.7325, 96.6677

 1.5929, 0.1412,  
0.0000

247.9486,

 0.3878, 0.0000,

204.6538, 125.0825

0.0000

297.5085,  
249.2364, 158.5820

■ 0.0000, 0.0000,  
0.0000

■ 43.9271, 29.5635,  
9.5220

■ 43.9271, 29.5635,  
9.5220

■ 41.5181, 25.7834,  
5.5204

■ 47.1495, 34.4576,  
15.3779

■ 39.8429, 23.0228,  
3.1441


■ 51.2504, 40.5403,  
23.2777


■ 38.8489, 21.2790,  
2.0597


■ 56.2902, 47.8851,  
33.3889

■ 62.3236, 56.5584,  
45.8614

■ 69.4006, 66.6217,  
60.8317

 77.5681, 78.1327,  
78.4260

 86.8700, 91.1457,  
98.7621

 91.8157, 98.3327,  
108.7486

# Harmonies

## Analogous

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



49.2649, 29.5635, 24.3972



43.9271, 29.5635, 9.5220



34.6488, 29.5635, 4.2767

# Triad

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



43.9271, 29.5635, 9.5220



14.6095, 29.5635, 17.6937



31.1813, 29.5635, 111.8300

# Complementary

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



43.9271, 29.5635, 9.5220



43.8606, 57.1386, 95.9053

# 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.



22.4319, 29.5635, 106.4240



43.9271, 29.5635, 9.5220



14.0753, 29.5635, 41.4863

# Square

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



43.9271, 29.5635, 9.5220



18.2823, 29.5635, 6.9017



16.6194, 29.5635, 76.3641



40.9200, 29.5635, 88.6086



# Rectangle

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



43.9271, 29.5635, 9.5220



28.1815, 29.5635, 3.5145



16.6194, 29.5635, 76.3641



28.0171, 29.5635, 113.5013

# Sweetspot

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



43.9278, 29.5652, 9.5225



75.0518, 71.9306, 65.4646



52.8475, 29.2373, 68.5033



15.5867, 14.7193, 12.9956



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.



43.9278, 29.5652, 9.5225



44.1530, 26.5198, 4.6466



57.1587, 56.0269, 13.9328



16.7301, 16.9443, 17.1864



20.8055, 11.4965, 1.1225



1.8927, 1.1387, 0.1200



# Inverse Universe

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



43.8606, 57.1386, 95.9053



43.8312, 57.5821, 103.4120



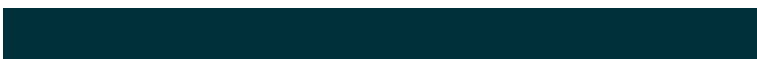
27.2897, 23.9969, 90.3817



16.7393, 18.2429, 21.1815



20.4421, 26.6780, 50.6100



1.8593, 2.4701, 4.4690



# Previews

## White Background



This preview shows how the XYZ color 43.9271, 29.5635, 9.5220 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 43.9271, 29.5635, 9.5220 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 43.9271, 29.5635, 9.5220**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.9271, 29.5635, 9.5220.



This preview shows how white text looks on a background with the XYZ color 43.9271, 29.5635,



# 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

43.9271, 29.5635, 9.5220

### Protanopia

27.2516, 29.5658, 13.5030

### Deuteranopia

30.2175, 29.6103, 8.9732



## Tritanopia

45.2241, 29.5090, 16.4089

# Trichromacy



## Original Color

43.9271, 29.5635, 9.5220

## Protanomaly

31.6316, 28.1793, 11.7546

## Deuteranomaly

34.3346, 28.8494, 9.0690

## Tritanomaly

44.7514, 29.4705, 13.4549

# Monochromacy



## Original Color

43.9271, 29.5635, 9.5220

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

29.6226, 26.1664, 20.3190

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.9271, 29.5635, 9.5220 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(246, 102, 72)` looks like.

```
.text, #text, p{  
    color:rgb(246, 102, 72)  
}
```

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(246, 102, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 102, 72) }
```

## Border

The CSS property to change the border of an element to XYZ 43.9271, 29.5635, 9.5220 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(246, 102, 72) }
```



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

```
.border{ border-color:rgb(246, 102, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 102, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 102, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 102, 72);  
box-shadow:4px 4px 4px 4px rgb(246, 102,  
72) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.9271, 29.5635, 9.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 102, 72) }
```

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

```
.background{ background-color: rgb(246,  
102, 72) }
```

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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