

# Converting Colors

XYZ(43.8028, 26.2178, 3.3016)

Have a look what the booklet for  
XYZ(43.8028, 26.2178, 3.3016)  
contains.

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# Color

**XYZ(43.7900, 26.1980,  
3.2791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4A11
RGB	255, 74, 17
RGB Percent	100%, 29%, 7%
CMY	0.0000, 0.7098, 0.9333
CMYK	0.00, 0.71, 0.93, 0.00
HSL	14°, 100%, 53%
HSV	14°, 93%, 100%
XYZ	43.7900, 26.1980, 3.2791
YIQ	121.6210, 126.1730, 20.6450

# Conversions

## Conversions Part 2

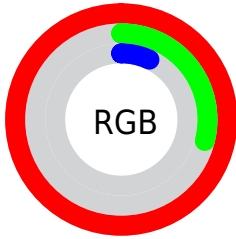
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 92, 17
Decimal	16730641
CIE <sub>Lab</sub>	58.22, 66.24, 65.75
CIE <sub>LCh</sub>	58, 93.331, 44.787
Yxy	26.1980, 0.5977, 0.3576
Android (android.graphics.Color)	4294920721 (0xFFFF4A11)
YUV	121.6210, -51.5782, 116.9734
Hunter-Lab	51.1840, 63.1421, 32.0304

# Details

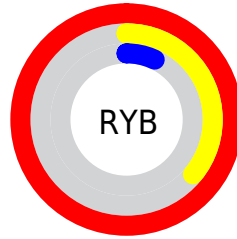
The XYZ color **43.7900, 26.1980, 3.2791** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **38.4731, 47.7232, 101.7909**, and the grayscale version is **18.5107, 19.4747, 21.2080**.

A 20% lighter version of the original color is **50.7972, 38.5029, 10.8854**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.9128, 24.6061, 2.4877**, and if you desaturate by 10%, it is **45.6167, 29.3305, 5.4952**.

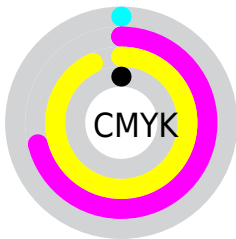
# Distribution



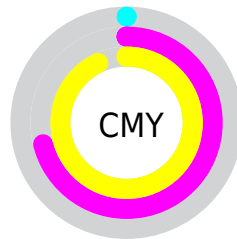
- Red (100%)
- Green (29%)
- Blue (7%)



- Red (100%)
- Yellow (36%)
- Blue (7%)



- Cyan (0%)
- Magenta (71%)
- Yellow (93%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7900, 26.1980, 3.2791 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 43.7900, 26.1980, 3.2791 by changing the saturation by 10% instead.





 43.7900, 26.1980,  
3.2791


 43.7900, 26.1980,  
3.2791

352.7173,  
283.7527, 139.8396


 30.7026, 16.9718,  
1.2389


 80.1500, 53.5942,  
12.3097

 20.5232, 10.2144,  
0.0109


 104.1533, 72.5330,  
20.1371

 12.8864, 5.5413,  
0.0000


 132.5260, 95.4782,  
30.7307

 7.4268, 2.5683,  
0.0000

 165.6334,  
122.8140, 44.5090

 3.7791, 0.9107,  
0.0000

 203.8409,  
154.9250, 61.8905


 1.5780, 0.0000,  
0.0000

 247.5138,


 0.3780, 0.0000,


192.1955, 83.2937


0.0000


 297.0175,  
235.0100, 109.1372


 0.0000, 0.0000,  
0.0000


 43.7900, 26.1980,  
3.2791


 43.7900, 26.1980,  
3.2791


 42.9128, 24.6061,  
2.4877

 45.6167, 29.3305,  
5.4952

 48.1656, 33.4421,  
9.3858

 51.5147, 38.6127,  
15.2112

 55.7299, 44.9121,  
23.1856

 60.8699, 52.4039,  
33.4947

66.9880, 61.1467,  
46.3039

74.1333, 71.1951,  
61.7636

82.3513, 82.6004,  
80.0122

91.6849, 95.4111,  
101.1784

# Harmonies

## Analogous

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



52.4723, 26.1980, 15.3776



43.7900, 26.1980, 3.2791



31.0678, 26.1980, 0.7220

# Triad

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



43.7900, 26.1980, 3.2791



9.2362, 26.1980, 15.0823



30.8865, 26.1980, 141.4208

# Complementary

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



43.7900, 26.1980, 3.2791



38.4731, 47.7232, 101.7909

# 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.



19.6086, 26.1980, 141.0715



43.7900, 26.1980, 3.2791



9.2145, 26.1980, 47.6024

# Square

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



43.7900, 26.1980, 3.2791



12.4875, 26.1980, 3.2021



12.4152, 26.1980, 98.9481



43.6231, 26.1980, 99.7027



# Rectangle

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



43.7900, 26.1980, 3.2791



23.1258, 26.1980, 0.5161



12.4152, 26.1980, 98.9481



26.7635, 26.1980, 146.8658

# Sweetspot

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



43.7906, 26.1996, 3.2795



70.6673, 66.3388, 54.2080



51.8034, 25.8061, 56.5683



14.4835, 13.2937, 10.2209



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.



43.7906, 26.1996, 3.2795



42.9131, 24.6062, 2.4877



60.0884, 58.7953, 8.7121



18.3626, 18.6933, 18.7847



22.5184, 13.0481, 1.3317

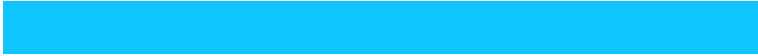


2.2728, 1.4310, 0.1564



# Inverse Universe

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



38.4731, 47.7232, 101.7909



37.3236, 45.7672, 101.4745



21.1843, 13.1455, 96.0279



18.1645, 19.7006, 23.0952



19.6241, 24.1578, 53.0632



1.9950, 2.5207, 5.1947



# Previews

## White Background



This preview shows how the XYZ color 43.7900, 26.1980, 3.2791 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 43.7900, 26.1980, 3.2791 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 43.7900, 26.1980, 3.2791**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7900, 26.1980, 3.2791.



This preview shows how white text looks on a background with the XYZ color 43.7900, 26.1980,

3.2791.

# 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

43.7900, 26.1980, 3.2791

### Protanopia

23.9288, 26.4402, 5.4324

### Deuteranopia

26.5190, 26.1222, 3.6444



## Tritanopia

44.6958, 26.2475, 9.0139

# Trichromacy



## Original Color

43.7900, 26.1980, 3.2791

## Protanomaly

28.5632, 24.1439, 4.2534

## Deuteranomaly

31.0039, 24.5806, 3.2827

## Tritanomaly

44.2000, 26.1518, 6.0864

# Monochromacy



## Original Color

43.7900, 26.1980, 3.2791

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

23.2294, 19.2893, 10.8864

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7900, 26.1980, 3.2791 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(255, 74, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 17)  
}
```

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(255, 74, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 17) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7900, 26.1980, 3.2791 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(255, 74, 17) }
```



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

```
.border{ border-color:rgb(255, 74, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 74, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
17) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7900, 26.1980, 3.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 17) }
```

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

```
.background{ background-color: rgb(255, 74,  
17) }
```

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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