

# Converting Colors

XYZ(52.7219, 29.9734, 4.3740)

Have a look what the booklet for  
XYZ(52.7219, 29.9734, 4.3740)  
contains.

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# Color

**XYZ(43.3910, 25.1449,  
3.9330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4120
RGB	255, 65, 32
RGB Percent	100%, 25%, 13%
CMY	0.0000, 0.7450, 0.8745
CMYK	0.00, 0.75, 0.87, 0.00
HSL	9°, 100%, 56%
HSV	9°, 87%, 100%
XYZ	43.3910, 25.1449, 3.9330
YIQ	118.0480, 123.8330, 30.0170

# Conversions

## Conversions Part 2

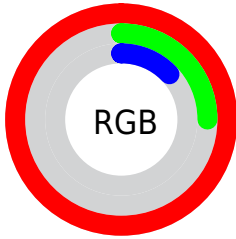
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 71, 32
Decimal	16728352
CIE Lab	57.22, 69.41, 60.12
CIE LCh	57, 91.828, 40.899
Yxy	25.1449, 0.5988, 0.3470
Android (android.graphics.Color)	4294918432 (0xFFFF4120)
YUV	118.0480, -42.4217, 120.1069
Hunter-Lab	50.1447, 66.7057, 30.4510

# Details

The XYZ color **43.3910, 25.1449, 3.9330** 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 **44.7630, 59.7619, 103.7829**, and the grayscale version is **17.3385, 18.2414, 19.8649**.

A 20% lighter version of the original color is **50.2238, 36.7909, 12.4369**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.1497, 23.0230, 2.4090**, and if you desaturate by 10%, it is **45.3779, 28.3346, 7.0143**.

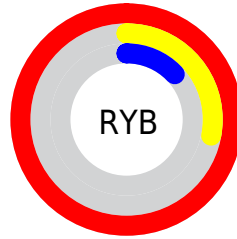
# Distribution



Red (100%)

Green (25%)

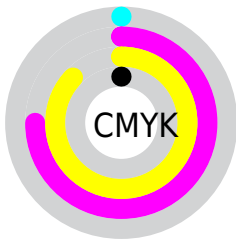
Blue (13%)



Red (100%)

Yellow (28%)

Blue (13%)

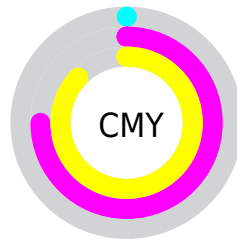


Cyan (0%)

Magenta (75%)

Yellow (87%)

Black (0%)



Cyan (0%)

Magenta (75%)


Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3910, 25.1449, 3.9330 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 43.3910, 25.1449, 3.9330 by changing the saturation by 10% instead.



 43.3910, 25.1449,  
3.9330

 43.3910, 25.1449,  
3.9330


351.1116,  
278.5588, 147.4777


 30.3879, 16.1850,  
1.5887


 79.5526, 51.8922,  
13.8549

 20.2827, 9.6552,  
0.2827


 103.4418, 70.4484,  
22.2696

 12.7102, 5.1709,  
0.0000


 131.6904, 92.9722,  
33.5448

 7.3049, 2.3479,  
0.0000

 164.6637,  
119.8480, 48.0991

 3.7015, 0.7989,  
0.0000

 202.7271,  
151.4602, 66.3510


 1.5347, 0.0000,  
0.0000

 246.2460,


 0.3493, 0.0000,


188.1931, 88.7190


0.0000


 295.5857,  
230.4312, 115.6218


 0.0000, 0.0000,  
0.0000


 43.3910, 25.1449,  
3.9330


 43.3910, 25.1449,  
3.9330


 42.1497, 23.0230,  
2.4090


 45.3779, 28.3346,  
7.0143

 41.9248, 22.6302,  
2.1584

 48.2127, 32.7078,  
11.9560

 51.9810, 38.3689,  
18.9939

 56.7571, 45.4097,  
28.3282

 62.6076, 53.9133,  
40.1358

69.5934, 63.9561,  
54.5763

77.7707, 75.6093,  
71.7956

87.1920, 88.9398,  
91.9290

95.0496, 99.9998,  
108.9000

# Harmonies

## Analogous

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



50.7964, 25.1449, 17.5639



43.3910, 25.1449, 3.9330



31.3969, 25.1449, 0.8303

# Triad

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



43.3910, 25.1449, 3.9330



9.1093, 25.1449, 12.1118



28.0652, 25.1449, 137.9367

# Complementary

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



43.3910, 25.1449, 3.9330



44.7630, 59.7619, 103.7829

# 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.



17.7021, 25.1449, 131.5384



43.3910, 25.1449, 3.9330



8.7093, 25.1449, 40.3010

# Square

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



43.3910, 25.1449, 3.9330



12.6772, 25.1449, 2.4975



11.3443, 25.1449, 88.0867



40.3261, 25.1449, 101.9227



# Rectangle

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



43.3910, 25.1449, 3.9330



23.5736, 25.1449, 0.4777



11.3443, 25.1449, 88.0867



24.2284, 25.1449, 141.1065

# Sweetspot

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



43.3915, 25.1464, 3.9334



70.7049, 65.5453, 56.8985



55.3831, 27.7437, 73.8606



14.5748, 13.2293, 11.0124



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.



43.3915, 25.1464, 3.9334



41.9252, 22.6304, 2.1584



56.4887, 51.3408, 8.2991



18.2263, 18.4209, 18.7393



21.9715, 11.9543, 1.1494

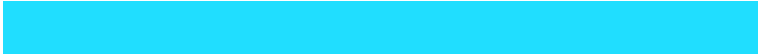


2.2006, 1.2865, 0.1323

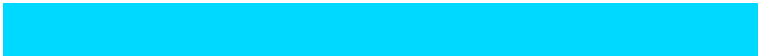


# Inverse Universe

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



44.7630, 59.7619, 103.7829



42.9270, 56.9740, 103.3423



24.6367, 19.5092, 97.0741



18.3122, 19.9961, 23.1444



22.5174, 29.9445, 54.0276



2.2521, 3.0348, 5.2804



# Previews

## White Background



This preview shows how the XYZ color 43.3910, 25.1449, 3.9330 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 43.3910, 25.1449, 3.9330 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 43.3910, 25.1449, 3.9330**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.3910, 25.1449, 3.9330.



This preview shows how white text looks on a background with the XYZ color 43.3910, 25.1449,



# 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

43.3910, 25.1449, 3.9330

### Protanopia

22.9906, 25.2773, 6.6849

### Deuteranopia

25.5719, 25.2313, 3.5223



## Tritanopia

43.9429, 25.1852, 7.3957

# Trichromacy



## Original Color

43.3910, 25.1449, 3.9330

## Protanomaly

27.6063, 22.6197, 5.1965

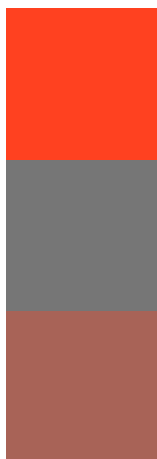
## Deuteranomaly

29.9527, 23.2384, 3.2546

## Tritanomaly

43.6932, 25.1747, 5.8051

# Monochromacy



## Original Color

43.3910, 25.1449, 3.9330

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

22.3306, 17.9366, 11.3020

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.3910, 25.1449, 3.9330 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, 65, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 32)  
}
```

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, 65, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 32) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3910, 25.1449, 3.9330 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, 65, 32) }
```



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

```
.border{ border-color:rgb(255, 65, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 65, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
32) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3910, 25.1449, 3.9330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 32) }
```

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

```
.background{ background-color: rgb(255, 65,  
32) }
```

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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