

# Converting Colors

XYZ(42.7884, 25.4111, 3.5793)

Have a look what the booklet for  
XYZ(42.7884, 25.4111, 3.5793)  
contains.

<b>XYZ(42.9367, 25.4593, 3.5708)</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(42.9367, 25.4593,  
3.5708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD4719
RGB	253, 71, 25
RGB Percent	99%, 28%, 10%
CMY	0.0078, 0.7215, 0.9020
CMYK	0.00, 0.72, 0.90, 0.01
HSL	12°, 98%, 55%
HSV	12°, 90%, 99%
XYZ	42.9367, 25.4593, 3.5708
YIQ	120.1740, 123.2380, 24.2780

# Conversions

## Conversions Part 2

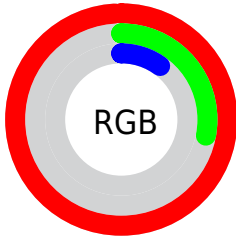
Format	Color
R <sub>Y</sub> B	253, 83, 25
Decimal	16598809
CIE Lab	57.52, 66.75, 62.74
CIE LCh	58, 91.609, 43.227
Yxy	25.4593, 0.5966, 0.3538
Android (android.graphics.Color)	4294788889 (0xFFFD4719)
YUV	120.1740, -46.9208, 116.4884
Hunter-Lab	50.4572, 63.5949, 31.1242

# Details

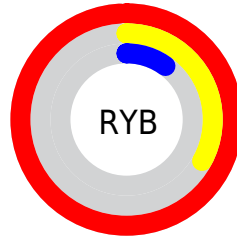
The XYZ color **42.9367, 25.4593, 3.5708** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **40.4401, 51.9180, 100.8175**, and the grayscale version is **18.0280, 18.9668, 20.6549**.

A 20% lighter version of the original color is **50.5622, 37.7611, 11.6449**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.6940, 23.2551, 2.2912**, and if you desaturate by 10%, it is **44.8488, 28.6331, 6.2148**.

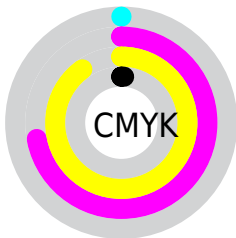
# Distribution



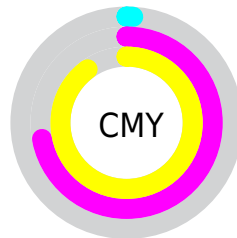
- Red (99%)
- Green (28%)
- Blue (10%)



- Red (99%)
- Yellow (33%)
- Blue (10%)



- Cyan (0%)
- Magenta (72%)
- Yellow (90%)
- Black (1%)




- Cyan (1%)
- Magenta (72%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9367, 25.4593, 3.5708 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 42.9367, 25.4593, 3.5708 by changing the saturation by 10% instead.





 42.9367, 25.4593,  
3.5708


 42.9367, 25.4593,  
3.5708


349.2773,  
280.1176, 143.3282


 30.0298, 16.4196,  
1.3930


 78.8716, 52.4014,  
13.0071

 20.0094, 9.8215,  
0.1362


 102.6303, 71.0725,  
21.1027


 12.5102, 5.2808,  
0.0000


 130.7370, 93.7229,  
32.0080

 7.1668, 2.4129,  
0.0000

 163.5570,  
120.7370, 46.1414

 3.6139, 0.8325,  
0.0000

 201.4557,  
152.4991, 63.9217


 1.4861, 0.0000,  
0.0000

 244.7984,


 0.3163, 0.0000,


189.3936, 85.7672


0.0000


 293.9505,  
231.8050, 112.0965


 0.0000, 0.0000,  
0.0000


 42.9367, 25.4593,  
3.5708


 42.9367, 25.4593,  
3.5708


 41.6940, 23.2551,  
2.2912

 44.8488, 28.6331,  
6.2148

 47.5267, 32.8555,  
10.6018

 51.0484, 38.2132,  
16.9719

 55.4808, 44.7824,  
25.5265

 60.8839, 52.6322,  
36.4421

67.3125, 61.8265,  
49.8770

74.8170, 72.4250,  
65.9759

83.4446, 84.4835,  
84.8723

93.2395, 98.0549,  
106.6910

# Harmonies

## Analogous

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



50.9156, 25.4593, 16.1180



42.9367, 25.4593, 3.5708



30.7738, 25.4593, 0.8013

# Triad

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



42.9367, 25.4593, 3.5708



9.1536, 25.4593, 13.7422



29.3245, 25.4593, 137.0427

# Complementary

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



42.9367, 25.4593, 3.5708



40.4401, 51.9180, 100.8175

# 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.



18.6333, 25.4593, 134.2676



42.9367, 25.4593, 3.5708



8.9789, 25.4593, 43.8714

# Square

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



42.9367, 25.4593, 3.5708



12.4833, 25.4593, 2.9410



11.9018, 25.4593, 92.6193



41.6046, 25.4593, 98.6234



# Rectangle

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



42.9367, 25.4593, 3.5708



23.0362, 25.4593, 0.5390



11.9018, 25.4593, 92.6193



25.3988, 25.4593, 141.4391

# Sweetspot

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



42.9372, 25.4608, 3.5712



70.7835, 66.1407, 55.5738



52.1667, 26.1024, 61.5767



14.6214, 13.4062, 10.7697



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.



42.9372, 25.4608, 3.5712



42.4441, 23.6682, 2.3314



57.9485, 55.4834, 8.5749



18.3062, 18.5806, 18.7659



22.2611, 12.5334, 1.2459

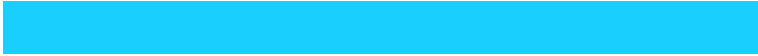


2.2403, 1.3660, 0.1456

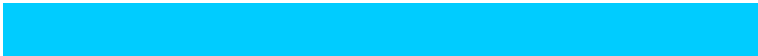


# Inverse Universe

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



40.4401, 51.9180, 100.8175



39.5334, 50.1868, 102.2111



22.0800, 15.1977, 94.6974



18.2252, 19.8220, 23.1154



20.7662, 26.4420, 53.4439



2.0971, 2.7249, 5.2287



# Previews

## White Background



This preview shows how the XYZ color 42.9367, 25.4593, 3.5708 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 42.9367, 25.4593, 3.5708 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 42.9367, 25.4593, 3.5708**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9367, 25.4593, 3.5708.



This preview shows how white text looks on a background with the XYZ color 42.9367, 25.4593,



# 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

42.9367, 25.4593, 3.5708

### Protanopia

23.1504, 25.5939, 5.8178

### Deuteranopia

25.7955, 25.3466, 3.5328



## Tritanopia

43.9544, 25.5148, 8.2384

# Trichromacy



## Original Color

42.9367, 25.4593, 3.5708

## Protanomaly

27.8065, 23.2323, 4.6088

## Deuteranomaly

30.1465, 23.6535, 3.2351

## Tritanomaly

43.5828, 25.4621, 5.9858

# Monochromacy



## Original Color

42.9367, 25.4593, 3.5708

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

22.5395, 18.4835, 10.9740

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9367, 25.4593, 3.5708 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(253, 71, 25)` looks like.

```
.text, #text, p{  
    color:rgb(253, 71, 25)  
}
```

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(253, 71, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 71, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9367, 25.4593, 3.5708 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(253, 71, 25) }
```



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

```
.border{ border-color:rgb(253, 71, 25) }
```

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

Here you see how a box with a 4 pixel rgb(253, 71, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 71, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 71, 25);  
box-shadow:4px 4px 4px 4px rgb(253, 71,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9367, 25.4593, 3.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 71, 25) }
```

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

```
.background{ background-color: rgb(253, 71,  
25) }
```

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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