

# Converting Colors

XYZ(43.7395, 25.3029, 5.7106)

Have a look what the booklet for  
XYZ(43.7395, 25.3029, 5.7106)  
contains.

<b>XYZ(43.7278, 25.2796, 5.7067)</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(43.7278, 25.2796,  
5.7067)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF4133
RGB	255, 65, 51
RGB Percent	100%, 25%, 20%
CMY	0.0000, 0.7450, 0.8000
CMYK	0.00, 0.75, 0.80, 0.00
HSL	4°, 100%, 60%
HSV	4°, 80%, 100%
XYZ	43.7278, 25.2796, 5.7067
YIQ	120.2140, 117.7340, 35.9260

# Conversions

## Conversions Part 2

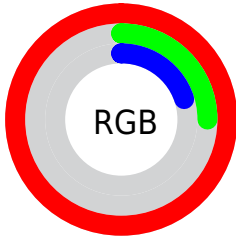
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 66, 51
Decimal	16728371
CIE <sub>Lab</sub>	57.35, 69.84, 51.61
CIE <sub>LCh</sub>	57, 86.842, 36.465
Yxy	25.2796, 0.5853, 0.3384
Android (android.graphics.Color)	4294918451 (0xFFFF4133)
YUV	120.2140, -34.1225, 118.2073
Hunter-Lab	50.2788, 67.2546, 28.4657

# Details

The XYZ color **43.7278, 25.2796, 5.7067** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **50.8660, 70.8256, 105.5967**, and the grayscale version is **18.0025, 18.9400, 20.6257**.

A 20% lighter version of the original color is **51.0011, 37.1018, 16.5299**, and **21.0027, 10.8254, 1.0687** is the 20% darker color. If you saturate the color by 10%, you get **42.2228, 22.9366, 3.1501**, and if you desaturate by 10%, it is **46.1143, 28.8940, 10.0757**.

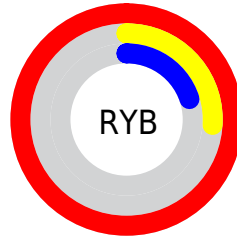
# Distribution



Red (100%)

Green (25%)

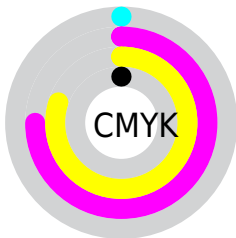
Blue (20%)



Red (100%)

Yellow (26%)

Blue (20%)

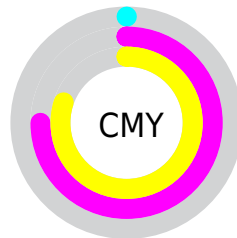


Cyan (0%)

Magenta (75%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (75%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7278, 25.2796, 5.7067 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 43.7278, 25.2796, 5.7067 by changing the saturation by 10% instead.




 43.7278, 25.2796,  
5.7067


 43.7278, 25.2796,  
5.7067


352.4673,  
279.2275, 165.6383


 30.6536, 16.2855,  
2.6017

 80.0569, 52.1105,  
17.7861

 20.4857, 9.7264,  
0.8933


 104.0424, 70.7160,  
27.5975

 12.8589, 5.2179,  
0.0000

 132.3958, 93.2941,  
40.4814

 7.4078, 2.3757,  
0.0000

 165.4823,  
120.2292, 56.8565

 3.7670, 0.8133,  
0.0000

 203.6674,  
151.9057, 77.1412

 1.5712, 0.0000,  
0.0000

 247.3164,

 0.3735, 0.0000,

188.7080, 101.7540

0.0000

296.7946,  
231.0205, 131.1135

■ 0.0000, 0.0000,  
0.0000

■ 43.7278, 25.2796,  
5.7067

■ 43.7278, 25.2796,  
5.7067

■ 42.2228, 22.9366,  
3.1501

■ 46.1143, 28.8940,  
10.0757

■ 41.4482, 21.6770,  
1.9995

■ 49.4887, 33.9206,  
16.5095

■ 41.4482, 21.6770,  
1.9995

■ 53.9438, 40.4866,  
25.2217

■ 59.5615, 48.7039,  
36.3988

■ 66.4156, 58.6738,  
50.2081

74.5738, 70.4896,  
66.8023

84.0989, 84.2379,  
86.3225

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.



49.5602, 25.2796, 21.6210



43.7278, 25.2796, 5.7067



32.8327, 25.2796, 1.3988

# Triad

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



43.7278, 25.2796, 5.7067



10.0622, 25.2796, 10.5236



26.3267, 25.2796, 131.0629

# Complementary

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



43.7278, 25.2796, 5.7067



50.8660, 70.8256, 105.5967

# 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.



16.9567, 25.2796, 119.1159



43.7278, 25.2796, 5.7067



9.2346, 25.2796, 34.4168

# Square

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



43.7278, 25.2796, 5.7067



14.0762, 25.2796, 2.4705



11.3625, 25.2796, 76.8544



37.8212, 25.2796, 102.9514



# Rectangle

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



43.7278, 25.2796, 5.7067



25.2690, 25.2796, 0.8527



11.3625, 25.2796, 76.8544



22.8273, 25.2796, 131.7796

# Sweetspot

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



43.7284, 25.2811, 5.7071



71.1502, 65.5362, 59.8210



58.3604, 30.0023, 86.2471



14.6150, 13.1378, 11.5560



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.



43.7284, 25.2811, 5.7071



41.6882, 22.0670, 2.3550



55.5827, 48.9899, 9.6585



18.1095, 18.1873, 18.7004



21.6945, 11.4002, 1.0570



2.1457, 1.1767, 0.1140



# Inverse Universe

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



50.8660, 70.8256, 105.5967



48.8056, 68.5416, 105.2653



28.7058, 26.5051, 98.2100



18.4418, 20.2551, 23.1876



25.3742, 35.6579, 54.9799



2.5014, 3.5335, 5.3635



# Previews

## White Background



This preview shows how the XYZ color 43.7278, 25.2796, 5.7067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

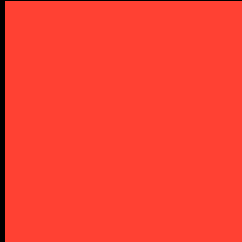
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7278, 25.2796, 5.7067 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 43.7278, 25.2796, 5.7067**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7278, 25.2796, 5.7067.



This preview shows how white text looks on a background with the XYZ color 43.7278, 25.2796,



# 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

43.7278, 25.2796, 5.7067

### Protanopia

23.1747, 25.3073, 9.6246

### Deuteranopia

25.8606, 25.3468, 5.0428



## Tritanopia

44.0568, 25.3201, 7.7195

# Trichromacy



## Original Color

43.7278, 25.2796, 5.7067

## Protanomaly

27.5961, 22.5579, 7.7501

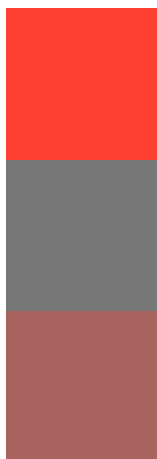
## Deuteranomaly

30.2693, 23.3651, 4.9220

## Tritanomaly

43.9157, 25.2637, 6.9766

# Monochromacy



## Original Color

43.7278, 25.2796, 5.7067

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

22.9849, 18.3756, 13.1619

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7278, 25.2796, 5.7067 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7278, 25.2796, 5.7067 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, 51) }
```



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

```
.border{ border-color:rgb(255, 65, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7278, 25.2796, 5.7067 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, 51) }
```

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

```
.background{ background-color: rgb(255, 65,  
51) }
```

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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