

# Converting Colors

XYZ(42.3353, 22.9532, 3.8285)

Have a look what the booklet for  
XYZ(42.3353, 22.9532, 3.8285)  
contains.

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# Color

**XYZ(42.3514, 22.9733,  
3.8712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2924
RGB	255, 41, 36
RGB Percent	100%, 16%, 14%
CMY	0.0000, 0.8391, 0.8588
CMYK	0.00, 0.84, 0.86, 0.00
HSL	1°, 100%, 57%
HSV	1°, 86%, 100%
XYZ	42.3514, 22.9733, 3.8712
YIQ	104.4160, 129.1490, 43.8130

# Conversions

## Conversions Part 2

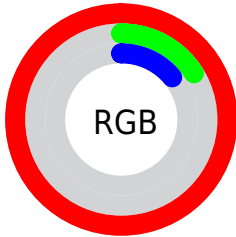
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 41, 36
Decimal	16722212
CIE Lab	55.04, 75.67, 56.73
CIE LCh	55, 94.572, 36.857
Yxy	22.9733, 0.6121, 0.3320
Android (android.graphics.Color)	4294912292 (0xFFFF2924)
YUV	104.4160, -33.7291, 132.0622
Hunter-Lab	47.9305, 73.8444, 28.7627

# Details

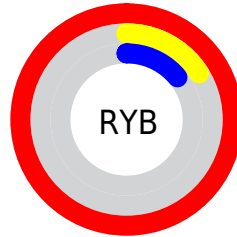
The XYZ color **42.3514, 22.9733, 3.8712** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **52.9557, 75.9515, 106.4760**, and the grayscale version is **13.3363, 14.0308, 15.2795**.

A 20% lighter version of the original color is **48.4162, 33.0520, 12.2154**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4841, 21.6567, 2.2954**, and if you desaturate by 10%, it is **44.0402, 25.4915, 7.0851**.

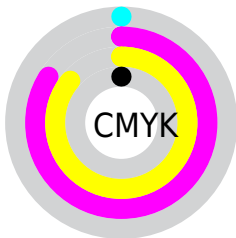
# Distribution



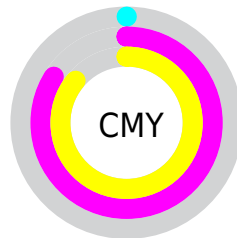
- Red (100%)
- Green (16%)
- Blue (14%)



- Red (100%)
- Yellow (16%)
- Blue (14%)



- Cyan (0%)
- Magenta (84%)
- Yellow (86%)
- Black (0%)




- Cyan (0%)
- Magenta (84%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3514, 22.9733, 3.8712 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 42.3514, 22.9733, 3.8712 by changing the saturation by 10% instead.




 42.3514, 22.9733,  
3.8712


 42.3514, 22.9733,  
3.8712


346.9045,  
267.5878, 146.7828


 29.5689, 14.5738,  
1.5550


 77.9930, 48.3495,  
13.7116


 19.6580, 8.5208,  
0.2584


 101.5828, 66.0949,  
22.0728

 12.2535, 4.4300,  
0.0000


 129.5057, 87.7245,  
33.2862

 6.9900, 1.9169,  
0.0000

 162.1271,  
113.6226, 47.7701

 3.5021, 0.5585,  
0.0000

 199.8123,  
144.1736, 65.9432


 1.4245, 0.0000,  
0.0000


 242.9267,


 0.2736, 0.0000,


179.7618, 88.2240


0.0000


 291.8356,  
220.7718, 115.0310


 0.0000, 0.0000,  
0.0000


 42.3514, 22.9733,  
3.8712


 42.3514, 22.9733,  
3.8712


 41.4841, 21.6567,  
2.2954


 44.0402, 25.4915,  
7.0851

 41.3032, 21.3868,  
1.9511

 46.6886, 29.4052,  
12.2320

 50.4111, 34.8785,  
19.5511

 55.3055, 42.0515,  
29.2468

 61.4589, 51.0491,  
41.5001

68.9501, 61.9840,  
56.4744

77.8512, 74.9603,  
74.3195

88.2294, 90.0742,  
95.1742

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



48.7088, 22.9733, 18.7144



42.3514, 22.9733, 3.8712



30.7903, 22.9733, 0.5554

# Triad

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



42.3514, 22.9733, 3.8712



8.0158, 22.9733, 8.4540



24.3411, 22.9733, 137.8980

# Complementary

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



42.3514, 22.9733, 3.8712



52.9557, 75.9515, 106.4760

# 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.



14.8106, 22.9733, 125.0623



42.3514, 22.9733, 3.8712



7.2791, 22.9733, 32.5891

# Square

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



42.3514, 22.9733, 3.8712



11.8099, 22.9733, 1.3970



9.3190, 22.9733, 78.3452



36.3567, 22.9733, 105.9063



# Rectangle

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



42.3514, 22.9733, 3.8712



22.9633, 22.9733, 0.0332



9.3190, 22.9733, 78.3452



20.7451, 22.9733, 138.9220

# Sweetspot

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



42.3519, 22.9747, 3.8715



68.8541, 61.8437, 56.2816



59.3383, 29.5087, 94.1239



14.1500, 12.3797, 10.8708



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.



42.3519, 22.9747, 3.8715



41.3035, 21.3870, 1.9512



52.3293, 42.9296, 7.1973



18.0428, 18.0537, 18.6781



21.5964, 11.2040, 1.0243



2.1140, 1.1134, 0.1035



# Inverse Universe

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



52.9557, 75.9515, 106.4760



51.9725, 75.0650, 106.3575



28.4282, 26.8964, 98.3002



18.5170, 20.4057, 23.2127



27.1729, 39.2554, 55.5795



2.6566, 3.8440, 5.4152



# Previews

## White Background



This preview shows how the XYZ color 42.3514, 22.9733, 3.8712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

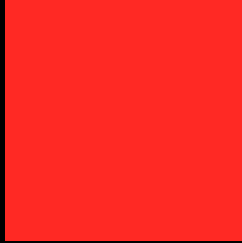
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3514, 22.9733, 3.8712 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 42.3514, 22.9733, 3.8712**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3514, 22.9733, 3.8712.



This preview shows how white text looks on a background with the XYZ color 42.3514, 22.9733,



# 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

42.3514, 22.9733, 3.8712

### Protanopia

21.0224, 23.0010, 7.2025

### Deuteranopia

23.2700, 22.8827, 3.1903



## Tritanopia

42.3828, 22.9858, 4.0366

# Trichromacy



## Original Color

42.3514, 22.9733, 3.8712

## Protanomaly

25.2659, 19.5845, 5.3543

## Deuteranomaly

27.6285, 20.1766, 2.8191

## Tritanomaly

42.3669, 22.9794, 3.9528

# Monochromacy



## Original Color

42.3514, 22.9733, 3.8712

## Achromatopsia

13.1579, 13.8432, 15.0752

## Achromatomaly

18.6518, 13.8203, 9.0817

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3514, 22.9733, 3.8712 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, 41, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 36)  
}
```

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, 41, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 36) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3514, 22.9733, 3.8712 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, 41, 36) }
```



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

```
.border{ border-color:rgb(255, 41, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 41, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
36) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3514, 22.9733, 3.8712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 36) }
```

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

```
.background{ background-color: rgb(255, 41,  
36) }
```

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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