

# Converting Colors

XYZ(41.2690, 23.3860, 7.2294)

Have a look what the booklet for  
XYZ(41.2690, 23.3860, 7.2294)  
contains.

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# Color

**XYZ(41.1499, 23.3527,  
7.1892)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F83A40
RGB	248, 58, 64
RGB Percent	97%, 23%, 25%
CMY	0.0275, 0.7725, 0.7490
CMYK	0.00, 0.77, 0.74, 0.03
HSL	358°, 93%, 60%
HSV	358°, 77%, 97%
XYZ	41.1499, 23.3527, 7.1892
YIQ	115.4940, 111.3140, 42.1460

# Conversions

## Conversions Part 2

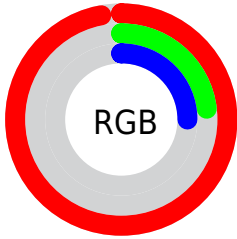
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 58, 64
Decimal	16267840
CIE <sub>Lab</sub>	55.43, 70.35, 42.33
CIE <sub>LCh</sub>	55, 82.098, 31.034
Yxy	23.3527, 0.5740, 0.3257
Android (android.graphics.Color)	4294457920 (0xFFFF83A40)
YUV	115.4940, -25.3865, 116.2078
Hunter-Lab	48.3246, 67.4301, 25.0067

# Details

The XYZ color **41.1499, 23.3527, 7.1892** 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 **51.3420, 74.4460, 95.6783**, and the grayscale version is **16.4989, 17.3581, 18.9030**.

A 20% lighter version of the original color is **50.8811, 35.8628, 19.5697**, and **19.6547, 10.1178, 1.5788** is the 20% darker color. If you saturate the color by 10%, you get **39.6437, 21.2091, 4.0102**, and if you desaturate by 10%, it is **43.5525, 26.8194, 12.1179**.

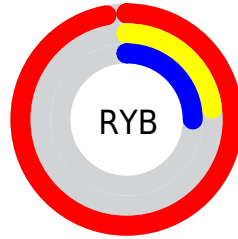
# Distribution



Red (97%)

Green (23%)

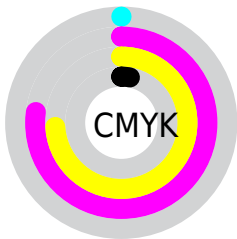
Blue (25%)



Red (97%)

Yellow (23%)

Blue (25%)

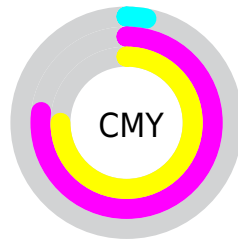


Cyan (0%)

Magenta (77%)

Yellow (74%)

Black (3%)



Cyan (3%)

Magenta (77%)


Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1499, 23.3527, 7.1892 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 41.1499, 23.3527, 7.1892 by changing the saturation by 10% instead.





 41.1499, 23.3527,  
7.1892


 41.1499, 23.3527,  
7.1892


341.9986,  
269.5314, 178.9168

 28.6244, 14.8542,  
3.5005


 76.1847, 48.9718,  
20.8721


 18.9397, 8.7171,  
1.3555


 99.4247, 66.8612,  
31.7034


 11.7305, 4.5571,  
0.1066


 126.9669, 88.6496,  
45.7527

 6.6313, 1.9898,  
0.0000

 159.1767,  
114.7215, 63.4384

 3.2769, 0.6016,  
0.0000

 196.4194,  
145.4612, 85.1791

 1.3018, 0.0000,  
0.0000

 239.0604,

 0.1846, 0.0000,

181.2532, 111.3934

0.0000

287.4650,  
222.4818, 142.4998

■ 0.0000, 0.0000,  
0.0000

■ 41.1499, 23.3527,  
7.1892

■ 41.1499, 23.3527,  
7.1892

■ 39.6437, 21.2091,  
4.0102

■ 43.5525, 26.8194,  
12.1179

■ 38.8958, 20.1763,  
2.3332


■ 46.9599, 31.7710,  
18.9977


■ 38.7540, 19.9735,  
2.0371


■ 51.4667, 38.3507,  
28.0034

■ 57.1562, 46.6836,  
39.2905

■ 64.1036, 56.8827,  
52.9996

 72.3780, 69.0516,  
69.2603

 82.0434, 83.2862,  
88.1929

 92.5212, 98.6963,  
108.7817

# Harmonies

## Analogous

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



45.1010, 23.3527, 24.5203



41.1499, 23.3527, 7.1892



31.9525, 23.3527, 1.8410

# Triad

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



41.1499, 23.3527, 7.1892



10.0042, 23.3527, 7.8960



22.5181, 23.3527, 117.6790

# Complementary

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



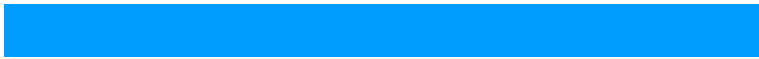
41.1499, 23.3527, 7.1892



51.3420, 74.4460, 95.6783

# 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.



14.6601, 23.3527, 100.9044



41.1499, 23.3527, 7.1892



8.7561, 23.3527, 26.3561

# Square

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



41.1499, 23.3527, 7.1892



14.2432, 23.3527, 2.0051



10.1938, 23.3527, 61.6832



32.6655, 23.3527, 98.6212



# Rectangle

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



41.1499, 23.3527, 7.1892



25.0796, 23.3527, 1.0132



10.1938, 23.3527, 61.6832



19.5425, 23.3527, 115.9849

# Sweetspot

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



41.1504, 23.3541, 7.1895



71.2749, 64.9843, 62.3325



54.9606, 28.6232, 91.4345



14.6094, 12.9592, 12.0699



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.



41.1504, 23.3541, 7.1895



41.7044, 21.8574, 3.1064



49.8584, 41.0282, 9.2964



17.2668, 17.2341, 17.9946



20.9445, 10.7935, 1.1502



1.9474, 1.0027, 0.1463



# Inverse Universe

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



41.1504, 23.3541, 7.1895



41.7044, 21.8574, 3.1064



31.1456, 32.5906, 93.4555



17.2668, 17.2341, 17.9946



20.9445, 10.7935, 1.1502



1.9474, 1.0027, 0.1463



# Previews

## White Background



This preview shows how the XYZ color 41.1499, 23.3527, 7.1892 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 41.1499, 23.3527, 7.1892 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 41.1499, 23.3527, 7.1892**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1499, 23.3527, 7.1892.



This preview shows how white text looks on a background with the XYZ color 41.1499, 23.3527,



# 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

41.1499, 23.3527, 7.1892

### Protanopia

21.6506, 23.4089, 12.6098

### Deuteranopia

23.9351, 23.5337, 6.5297



## Tritanopia

41.0910, 23.4106, 6.6279

# Trichromacy



## Original Color

41.1499, 23.3527, 7.1892

## Protanomaly

25.8567, 20.8177, 10.0525

## Deuteranomaly

28.2301, 21.5240, 6.4080

## Tritanomaly

41.1177, 23.4213, 6.7685

# Monochromacy



## Original Color

41.1499, 23.3527, 7.1892

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

21.5597, 16.9400, 13.4427

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1499, 23.3527, 7.1892 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(248, 58, 64)` looks like.

```
.text, #text, p{  
    color:rgb(248, 58, 64)  
}
```

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(248, 58, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 58, 64) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1499, 23.3527, 7.1892 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(248, 58, 64) }
```



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

```
.border{ border-color:rgb(248, 58, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 58, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 58, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 58, 64);  
box-shadow:4px 4px 4px 4px rgb(248, 58,  
64) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1499, 23.3527, 7.1892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 58, 64) }
```

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

```
.background{ background-color: rgb(248, 58,  
64) }
```

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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