

# Converting Colors

XYZ(38.9446, 21.1780, 7.0389)

Have a look what the booklet for  
XYZ(38.9446, 21.1780, 7.0389)  
contains.

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# Color

**XYZ(39.0903, 21.2707,  
7.0464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F42A41
RGB	244, 42, 65
RGB Percent	96%, 16%, 25%
CMY	0.0431, 0.8352, 0.7451
CMYK	0.00, 0.83, 0.73, 0.04
HSL	353°, 90%, 56%
HSV	353°, 83%, 96%
XYZ	39.0903, 21.2707, 7.0464
YIQ	105.0200, 113.0090, 49.9770

# Conversions

## Conversions Part 2

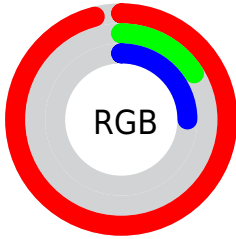
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	244, 42, 65
Decimal	16001601
CIE Lab	53.24, 73.36, 39.09
CIE LCh	53, 83.129, 28.050
Yxy	21.2707, 0.5799, 0.3156
Android (android.graphics.Color)	4294191681 (0xFFFF42A41)
YUV	105.0200, -19.7299, 121.8855
Hunter-Lab	46.1202, 70.5818, 23.2256

# Details

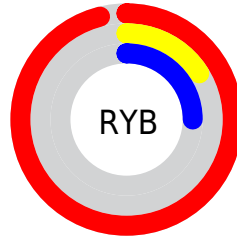
The XYZ color **39.0903, 21.2707, 7.0464** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **46.3599, 70.4150, 79.5683**, and the grayscale version is **13.4656, 14.1669, 15.4277**.

A 20% lighter version of the original color is **49.7966, 33.6041, 19.4845**, and **18.7352, 9.6416, 1.6326** is the 20% darker color. If you saturate the color by 10%, you get **37.9611, 19.8306, 4.1488**, and if you desaturate by 10%, it is **40.9858, 23.8607, 11.3820**.

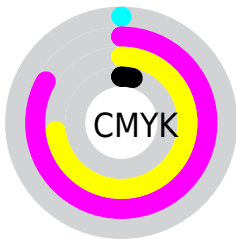
# Distribution



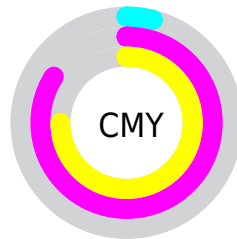
- Red (96%)
- Green (16%)
- Blue (25%)



- Red (96%)
- Yellow (16%)
- Blue (25%)



- Cyan (0%)
- Magenta (83%)
- Yellow (73%)
- Black (4%)




- Cyan (4%)
- Magenta (84%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0903, 21.2707, 7.0464 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 39.0903, 21.2707, 7.0464 by changing the saturation by 10% instead.





 39.0903, 21.2707,  
7.0464


 39.0903, 21.2707,  
7.0464


333.4748,  
258.7136, 177.6942


 27.0110, 13.3220,  
3.4122


 73.0694, 45.5376,  
20.5810

 17.7181, 7.6507,  
1.3088


 95.7000, 62.6246,  
31.3184

 10.8463, 3.8722,  
0.0690


 122.5784, 83.5266,  
45.2608

 6.0301, 1.6024,  
0.0000

 154.0699,  
108.6278, 62.8265

 2.9042, 0.3592,  
0.0000

 190.5400,  
138.3127, 84.4342

 1.1033, 0.0000,  
0.0000

 232.3539,

 0.0279, 0.0000,

172.9658, 110.5023

0.0000

279.8771,  
212.9713, 141.4495

■ 0.0000, 0.0000,  
0.0000

■ 39.0903, 21.2707,  
7.0464

■ 39.0903, 21.2707,  
7.0464

■ 37.9611, 19.8306,  
4.1488

■ 40.9858, 23.8607,  
11.3820


■ 37.5147, 19.3156,  
2.8347


■ 43.7537, 27.7725,  
17.3113


■ 47.4845, 33.1531,  
24.9706


■ 52.2569, 40.1289,  
34.4812

■ 58.1415, 48.8130,  
45.9535

 65.2024, 59.3078,  
59.4890

 73.4993, 71.7080,  
75.1824

 83.0873, 86.1015,  
93.1224

 91.1179, 97.9729,  
108.7160

# Harmonies

## Analogous

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



42.2354, 21.2707, 24.8460



39.0903, 21.2707, 7.0464



30.5387, 21.2707, 1.5868

# Triad

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



39.0903, 21.2707, 7.0464



9.0042, 21.2707, 5.8335



19.6477, 21.2707, 112.9631

# Complementary

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



39.0903, 21.2707, 7.0464



46.3599, 70.4150, 79.5683

# 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.



12.5307, 21.2707, 93.2391



39.0903, 21.2707, 7.0464



7.5978, 21.2707, 21.5524

# Square

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



39.0903, 21.2707, 7.0464



13.2686, 21.2707, 1.3267



8.6731, 21.2707, 54.1714



29.2464, 21.2707, 97.4683



# Rectangle

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



39.0903, 21.2707, 7.0464



23.9206, 21.2707, 0.7323



8.6731, 21.2707, 54.1714



16.9172, 21.2707, 110.0535

# Sweetspot

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



39.0908, 21.2720, 7.0467



70.1765, 62.7312, 62.1404



46.8047, 23.4726, 87.6510



14.4228, 12.5380, 12.1561



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.



39.0908, 21.2720, 7.0467



41.5186, 21.4157, 3.2606



44.3762, 32.7003, 6.1654



16.5758, 16.5132, 17.5127



20.4232, 10.5127, 1.6709



1.8195, 0.9338, 0.2760



# Inverse Universe

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



39.0908, 21.2720, 7.0467



41.5186, 21.4157, 3.2606



31.0255, 34.5059, 90.6123



16.5758, 16.5132, 17.5127



20.4232, 10.5127, 1.6709



1.8195, 0.9338, 0.2760



# Previews

## White Background



This preview shows how the XYZ color 39.0903, 21.2707, 7.0464 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 39.0903, 21.2707, 7.0464 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 39.0903, 21.2707, 7.0464**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0903, 21.2707, 7.0464.



This preview shows how white text looks on a background with the XYZ color 39.0903, 21.2707,



# 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

39.0903, 21.2707, 7.0464

### Protanopia

20.0115, 21.5470, 13.4602

### Deuteranopia

21.7781, 21.3027, 6.3322



## Tritanopia

38.4128, 21.1981, 4.5497

# Trichromacy



## Original Color

39.0903, 21.2707, 7.0464

## Protanomaly

23.7405, 18.4040, 10.4847

## Deuteranomaly

25.8009, 18.8968, 6.1585

## Tritanomaly

38.5204, 21.1794, 5.3066

# Monochromacy



## Original Color

39.0903, 21.2707, 7.0464

## Achromatopsia

13.4271, 14.1263, 15.3836

## Achromatomaly

18.5731, 13.8407, 11.3655

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0903, 21.2707, 7.0464 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(244, 42, 65)` looks like.

```
.text, #text, p{  
    color:rgb(244, 42, 65)  
}
```

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(244, 42, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 42, 65) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0903, 21.2707, 7.0464 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(244, 42, 65) }
```



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

```
.border{ border-color:rgb(244, 42, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 42, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 42, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 42, 65);  
box-shadow:4px 4px 4px 4px rgb(244, 42,  
65) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0903, 21.2707, 7.0464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 42, 65) }
```

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

```
.background{ background-color: rgb(244, 42,  
65) }
```

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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