

# Converting Colors

XYZ(39.5188, 21.9129, 2.1467)

Have a look what the booklet for  
XYZ(39.5188, 21.9129, 2.1467)  
contains.

<b>XYZ(39.4147, 21.8881, 2.1474)</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(39.4147, 21.8881,  
2.1474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F73000
RGB	247, 48, 0
RGB Percent	97%, 19%, 0%
CMY	0.0314, 0.8117, 1.0000
CMYK	0.00, 0.81, 1.00, 0.03
HSL	12°, 100%, 48%
HSV	12°, 100%, 97%
XYZ	39.4147, 21.8881, 2.1474
YIQ	102.0290, 134.0120, 27.2600

# Conversions

## Conversions Part 2

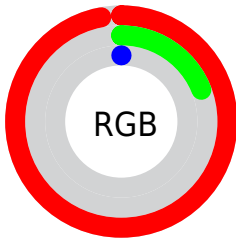
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 60, 0
Decimal	16199680
CIE <sub>Lab</sub>	53.91, 71.53, 66.50
CIE <sub>LCh</sub>	54, 97.664, 42.911
Yxy	21.8881, 0.6212, 0.3450
Android (android.graphics.Color)	4294389760 (0xFFFF73000)
YUV	102.0290, -50.3003, 127.1396
Hunter-Lab	46.7847, 68.5075, 30.0279

# Details

The XYZ color **39.4147, 21.8881, 2.1474** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **37.2073, 47.5532, 95.2125**, and the grayscale version is **12.7421, 13.4057, 14.5988**.

A 20% lighter version of the original color is **47.9607, 33.3965, 8.1933**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **39.4151, 21.8894, 2.1477**, and if you desaturate by 10%, it is **40.5918, 23.9671, 3.3896**.

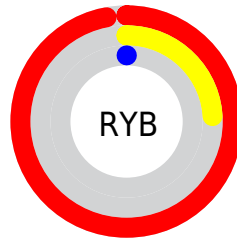
# Distribution



Red (97%)

Green (19%)

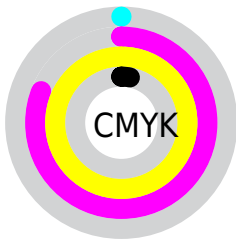
Blue (0%)



Red (97%)

Yellow (24%)

Blue (0%)

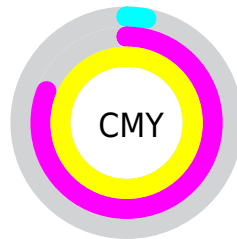


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (81%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4147, 21.8881, 2.1474 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 39.4147, 21.8881, 2.1474 by changing the saturation by 10% instead.





 39.4147, 21.8881,  
2.1474


 39.4147, 21.8881,  
2.1474


334.8273,  
261.9613, 124.6252


 27.2647, 13.7747,  
0.6438


 73.5614, 46.5610,  
9.4400


 17.9097, 7.9641,  
0.0000


 96.2888, 63.8893,  
16.1003


 10.9845, 4.0720,  
0.0000


 123.2728, 85.0579,  
25.3279

 6.1236, 1.7139,  
0.0000

 154.8785,  
110.4514, 37.5414

 2.9618, 0.4326,  
0.0000

 191.4715,  
140.4541, 53.1593


 1.1336, 0.0000,  
0.0000

 233.4171,


 0.0529, 0.0000,


175.4504, 72.6002


0.0000


 281.0805,  
215.8247, 96.2827


 0.0000, 0.0000,  
0.0000


 39.4147, 21.8881,  
2.1474


 39.4147, 21.8881,  
2.1474


 39.4151, 21.8894,  
2.1477

 40.5918, 23.9671,  
3.3896

 42.3949, 26.9483,  
5.9174

 44.9292, 30.9345,  
10.0993

 48.2686, 36.0082,  
16.1607

 52.4771, 42.2429,  
24.2914

■ 57.6121, 49.7055,  
34.6578

■ 63.7258, 58.4577,  
47.4093

■ 70.8666, 68.5572,  
62.6823

■ 79.0794, 80.0578,  
80.6030

# Harmonies

## Analogous

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



47.4058, 21.8881, 13.0902



39.4147, 21.8881, 2.1474



27.3323, 21.8881, 0.0000

# Triad

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



39.4147, 21.8881, 2.1474



6.8402, 21.8881, 10.5403



25.6590, 21.8881, 136.6392

# Complementary

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



39.4147, 21.8881, 2.1474



37.2073, 47.5532, 95.2125

# 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.



15.4079, 21.8881, 133.1675



39.4147, 21.8881, 2.1474



6.6600, 21.8881, 39.2617

# Square

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



39.4147, 21.8881, 2.1474



9.8470, 21.8881, 1.6014



9.2271, 21.8881, 89.0390



37.8396, 21.8881, 96.4247



# Rectangle

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



39.4147, 21.8881, 2.1474



19.7935, 21.8881, 0.0000



9.2271, 21.8881, 89.0390



21.8483, 21.8881, 141.1400

# Sweetspot

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



39.4152, 21.8895, 2.1477



68.4786, 62.7992, 50.8954



48.9845, 24.0248, 57.7564



14.0353, 12.5546, 9.5866



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.



39.4152, 21.8895, 2.1477



42.3625, 23.5050, 2.3042



52.5050, 48.0692, 6.5110



16.7599, 17.0039, 17.1963



20.9228, 11.7311, 1.1616



1.9073, 1.1678, 0.1249

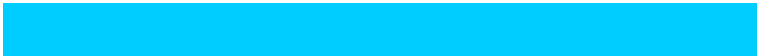


# Inverse Universe

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



37.2073, 47.5532, 95.2125



39.9833, 51.0866, 102.3611



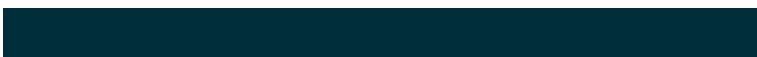
19.5282, 12.1950, 89.3195



16.7070, 18.1782, 21.1708



19.7790, 25.3517, 50.3889



1.8068, 2.3651, 4.4515



# Previews

## White Background



This preview shows how the XYZ color 39.4147, 21.8881, 2.1474 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 39.4147, 21.8881, 2.1474 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 39.4147, 21.8881, 2.1474**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4147, 21.8881, 2.1474.



This preview shows how white text looks on a background with the XYZ color 39.4147, 21.8881,



# 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

39.4147, 21.8881, 2.1474

### Protanopia

19.8940, 22.0787, 4.4414

### Deuteranopia

22.1872, 21.9524, 3.0679



## Tritanopia

39.7508, 21.8328, 4.5019

# Trichromacy



## Original Color

39.4147, 21.8881, 2.1474

## Protanomaly

23.9661, 19.1064, 3.0409

## Deuteranomaly

26.4310, 19.8351, 2.4355

## Tritanomaly

39.5444, 21.8120, 3.2245

# Monochromacy



## Original Color

39.4147, 21.8881, 2.1474

## Achromatopsia

12.6291, 13.2868, 14.4694

## Achromatomaly

17.4890, 13.3848, 6.6628

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4147, 21.8881, 2.1474 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(247, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 48, 0)  
}
```

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(247, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 48, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4147, 21.8881, 2.1474 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(247, 48, 0) }
```



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

```
.border{ border-color:rgb(247, 48, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 48, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 48, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 39.4147, 21.8881, 2.1474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 48, 0) }
```

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

```
.background{ background-color: rgb(247, 48,  
0) }
```

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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