

# Converting Colors

XYZ(39.0513, 21.5057, 2.6022)

Have a look what the booklet for  
XYZ(39.0513, 21.5057, 2.6022)  
contains.

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# Color

**XYZ(39.0379, 21.5070,  
2.5840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F62D10
RGB	246, 45, 16
RGB Percent	96%, 18%, 6%
CMY	0.0353, 0.8235, 0.9372
CMYK	0.00, 0.82, 0.93, 0.04
HSL	8°, 93%, 51%
HSV	8°, 93%, 96%
XYZ	39.0379, 21.5070, 2.5840
YIQ	101.7930, 129.1050, 33.5930

# Conversions

## Conversions Part 2

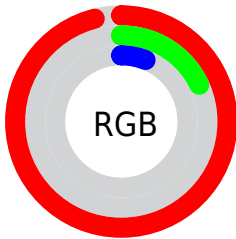
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 49, 16
Decimal	16133392
CIE <sub>Lab</sub>	53.50, 72.10, 62.35
CIE <sub>LCh</sub>	53, 95.320, 40.855
Yxy	21.5070, 0.6184, 0.3407
Android (android.graphics.Color)	4294323472 (0xFFFF62D10)
YUV	101.7930, -42.2959, 126.4695
Hunter-Lab	46.3756, 69.0996, 29.1594

# Details

The XYZ color **39.0379, 21.5070, 2.5840** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **41.6563, 56.3803, 95.8749**, and the grayscale version is **12.6610, 13.3203, 14.5058**.

A 20% lighter version of the original color is **47.9986, 33.0586, 9.4814**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **38.4966, 20.5745, 1.9423**, and if you desaturate by 10%, it is **40.3775, 23.7070, 4.5094**.

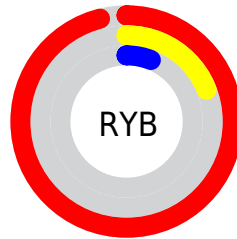
# Distribution



Red (96%)

Green (18%)

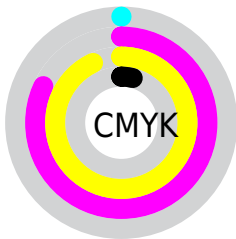
Blue (6%)



Red (96%)

Yellow (19%)

Blue (6%)

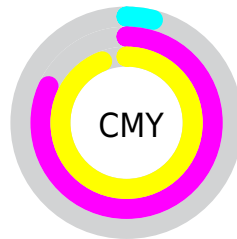


Cyan (0%)

Magenta (82%)

Yellow (93%)

Black (4%)



Cyan (4%)

Magenta (82%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0379, 21.5070, 2.5840 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 39.0379, 21.5070, 2.5840 by changing the saturation by 10% instead.





 39.0379, 21.5070,  
2.5840


 39.0379, 21.5070,  
2.5840


333.2560,  
259.9608, 130.8719


 26.9701, 13.4951,  
0.8842


 72.9899, 45.9298,  
10.5834

 17.6872, 7.7704,  
0.0000


 95.6048, 63.1095,  
17.7223

 10.8240, 3.9484,  
0.0000


 122.4661, 84.1139,  
27.5120

 6.0150, 1.6447,  
0.0000

 153.9391,  
109.3275, 40.3711

 2.8950, 0.3875,  
0.0000

 190.3893,  
139.1346, 56.7181

 1.0985, 0.0000,  
0.0000

 232.1819,


 0.0238, 0.0000,


173.9195, 76.9715


0.0000


 279.6824,  
214.0668, 101.5500


 0.0000, 0.0000,  
0.0000


 39.0379, 21.5070,  
2.5840


 39.0379, 21.5070,  
2.5840


 38.4966, 20.5745,  
1.9423

 40.3775, 23.7070,  
4.5094

 42.4564, 26.9581,  
7.9976

 45.3658, 31.3736,  
13.2935

 49.1829, 37.0507,  
20.5992

 53.9758, 44.0764,  
30.0897

■ 59.8062, 52.5298,  
41.9211

■ 66.7305, 62.4841,  
56.2348

■ 74.8011, 74.0074,  
73.1615

■ 84.0669, 87.1634,  
92.8224

# Harmonies

## Analogous

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



46.2183, 21.5070, 14.3911



39.0379, 21.5070, 2.5840



27.5324, 21.5070, 0.1533

# Triad

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



39.0379, 21.5070, 2.5840



6.9938, 21.5070, 9.4553



24.3411, 21.5070, 132.3456

# Complementary

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



39.0379, 21.5070, 2.5840



41.6563, 56.3803, 95.8749

# 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.



14.6868, 21.5070, 125.8216



39.0379, 21.5070, 2.5840



6.6427, 21.5070, 35.5970

# Square

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



39.0379, 21.5070, 2.5840



10.1498, 21.5070, 1.4800



8.9498, 21.5070, 82.2957



36.0473, 21.5070, 96.2192



# Rectangle

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



39.0379, 21.5070, 2.5840



20.1520, 21.5070, 0.0000



8.9498, 21.5070, 82.2957



20.7343, 21.5070, 135.5236

# Sweetspot

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



39.0384, 21.5083, 2.5843



68.8333, 62.6708, 53.5966



50.9991, 25.0865, 69.2867



14.0573, 12.4412, 10.0788



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.



39.0384, 21.5083, 2.5843



41.7611, 22.3023, 2.1037



50.2977, 44.0271, 6.3374



16.6676, 16.8193, 17.1655



20.6023, 11.0901, 1.0548

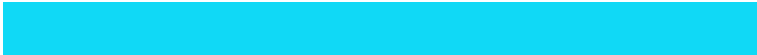


1.8633, 1.0798, 0.1102

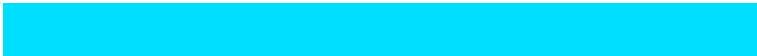


# Inverse Universe

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



41.6563, 56.3803, 95.8749



44.3919, 59.9037, 103.8306



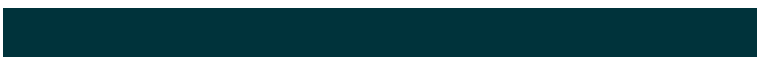
21.8154, 16.6984, 89.2612



16.8079, 18.3801, 21.2044



21.9166, 29.6270, 51.1015



1.9752, 2.7018, 4.5076



# Previews

## White Background



This preview shows how the XYZ color 39.0379, 21.5070, 2.5840 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



## 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 39.0379, 21.5070, 2.5840**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0379, 21.5070, 2.5840.



This preview shows how white text looks on a background with the XYZ color 39.0379, 21.5070,



# 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

39.0379, 21.5070, 2.5840

### Protanopia

19.6703, 21.7572, 4.8319

### Deuteranopia

21.8598, 21.6004, 3.0172



## Tritanopia

39.2702, 21.4807, 4.1742

# Trichromacy



## Original Color

39.0379, 21.5070, 2.5840

## Protanomaly

23.6455, 18.6478, 3.5155

## Deuteranomaly

26.0279, 19.3560, 2.5366

## Tritanomaly

39.1674, 21.4985, 3.4518

# Monochromacy



## Original Color

39.0379, 21.5070, 2.5840

## Achromatopsia

12.6291, 13.2868, 14.4694

## Achromatomaly

17.4062, 13.2098, 7.5936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0379, 21.5070, 2.5840 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(246, 45, 16)` looks like.

```
.text, #text, p{  
    color:rgb(246, 45, 16)  
}
```

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(246, 45, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 45, 16) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0379, 21.5070, 2.5840 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(246, 45, 16) }
```



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

```
.border{ border-color:rgb(246, 45, 16) }
```

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

Here you see how a box with a 4 pixel rgb(246, 45, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 45, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 45, 16);  
box-shadow:4px 4px 4px 4px rgb(246, 45,  
16) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0379, 21.5070, 2.5840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 45, 16) }
```

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

```
.background{ background-color: rgb(246, 45,  
16) }
```

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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