

# Converting Colors

XYZ(39.0391, 20.2102, 3.0808)

Have a look what the booklet for  
XYZ(39.0391, 20.2102, 3.0808)  
contains.

<b>XYZ(39.0217, 20.2022, 3.0710)</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(39.0217, 20.2022,  
3.0710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8071E
RGB	248, 7, 30
RGB Percent	97%, 3%, 12%
CMY	0.0275, 0.9723, 0.8824
CMYK	0.00, 0.97, 0.88, 0.03
HSL	354°, 95%, 50%
HSV	354°, 97%, 97%
XYZ	39.0217, 20.2022, 3.0710
YIQ	81.6810, 136.2530, 58.2450

# Conversions

## Conversions Part 2

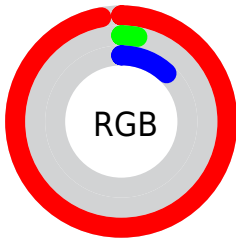
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 7, 30
Decimal	16254750
CIE <sub>Lab</sub>	52.07, 78.23, 56.47
CIE <sub>LCh</sub>	52, 96.485, 35.825
Yxy	20.2022, 0.6264, 0.3243
Android (android.graphics.Color)	4294444830 (0xFFFF8071E)
YUV	81.6810, -25.4787, 145.8618
Hunter-Lab	44.9469, 76.3121, 27.4118

# Details

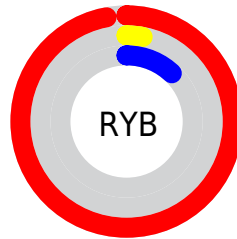
The XYZ color **39.0217, 20.2022, 3.0710** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **47.2557, 72.6198, 82.8102**, and the grayscale version is **7.9942, 8.4105, 9.1590**.

A 20% lighter version of the original color is **46.8898, 30.3594, 10.5963**, and **19.0561, 9.8238, 0.8918** is the 20% darker color. If you saturate the color by 10%, you get **38.8718, 20.0206, 2.6582**, and if you desaturate by 10%, it is **39.8539, 21.2342, 5.2991**.

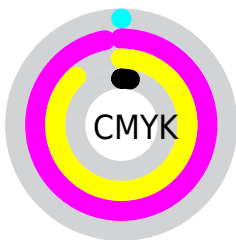
# Distribution



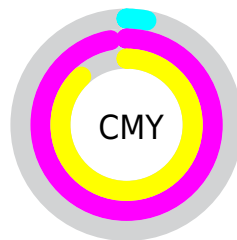
- Red (97%)
- Green (3%)
- Blue (12%)



- Red (97%)
- Yellow (3%)
- Blue (12%)



- Cyan (0%)
- Magenta (97%)
- Yellow (88%)
- Black (3%)




- Cyan (3%)
- Magenta (97%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0217, 20.2022, 3.0710 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 39.0217, 20.2022, 3.0710 by changing the saturation by 10% instead.




 39.0217, 20.2022,  
3.0710


 39.0217, 20.2022,  
3.0710


333.1883,  
253.0076, 137.2598


 26.9574, 12.5421,  
1.1310


 72.9653, 43.7559,  
11.8031

 17.6777, 7.1140,  
0.0000


 95.5754, 60.4184,  
19.4324

 10.8171, 3.5335,  
0.0000


 122.4314, 80.8503,  
29.7951

 6.0104, 1.4162,  
0.0000

 153.8987,  
105.4363, 43.3098

 2.8921, 0.2286,  
0.0000

 190.3427,  
134.5606, 60.3951


 1.0970, 0.0000,  
0.0000

 232.1287,


 0.0226, 0.0000,


168.6077, 81.4695


0.0000


 279.6222,  
207.9619, 106.9516


 0.0000, 0.0000,  
0.0000


 39.0217, 20.2022,  
3.0710


 39.0217, 20.2022,  
3.0710

 38.8718, 20.0206,  
2.6582

 39.8539, 21.2342,  
5.2991

 41.4238, 23.3564,  
8.9599

 43.8611, 26.7803,  
14.2448

 47.2685, 31.6703,  
21.3143

 51.7341, 38.1666,  
30.3095

■ 57.3363, 46.3930,  
41.3576

■ 64.1458, 56.4611,  
54.5745

■ 72.2277, 68.4731,  
70.0677

■ 81.6423, 82.5238,  
87.9375

# Harmonies

## Analogous

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



44.8867, 20.2022, 16.9368



39.0217, 20.2022, 3.0710



28.0515, 20.2022, 0.1219

# Triad

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



39.0217, 20.2022, 3.0710



6.5854, 20.2022, 6.4194



21.1893, 20.2022, 132.1566

# Complementary

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



39.0217, 20.2022, 3.0710



47.2557, 72.6198, 82.8102

# 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.



12.4414, 20.2022, 117.9031



39.0217, 20.2022, 3.0710



5.8486, 20.2022, 27.9758

# Square

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



39.0217, 20.2022, 3.0710



10.1106, 20.2022, 0.8066



7.5731, 20.2022, 71.4871



32.5615, 20.2022, 101.8289



# Rectangle

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



39.0217, 20.2022, 3.0710



20.6140, 20.2022, 0.0000



7.5731, 20.2022, 71.4871



17.8552, 20.2022, 132.6073

# Sweetspot

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



39.0221, 20.2035, 3.0713



66.8606, 57.9627, 55.2907



47.7312, 22.7630, 90.6841



13.6360, 11.4080, 10.5263



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.



39.0221, 20.2035, 3.0713



41.4077, 21.3271, 2.8130



43.6441, 29.7604, 3.6471



17.3117, 17.2520, 18.2312



21.0208, 10.8240, 1.5518



1.9687, 1.0112, 0.2587



# Inverse Universe

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



39.0221, 20.2035, 3.0713



41.4077, 21.3271, 2.8130



28.1995, 29.1586, 92.9480



17.3117, 17.2520, 18.2312



21.0208, 10.8240, 1.5518



1.9687, 1.0112, 0.2587



# Previews

## White Background



This preview shows how the XYZ color 39.0217, 20.2022, 3.0710 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 39.0217, 20.2022, 3.0710**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0217, 20.2022, 3.0710.



This preview shows how white text looks on a background with the XYZ color 39.0217, 20.2022,



# 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

39.0217, 20.2022, 3.0710

### Protanopia

18.8959, 20.7451, 6.2571

### Deuteranopia

20.6974, 20.4628, 2.8588



## Tritanopia

38.6447, 20.3480, 1.8908

# Trichromacy



## Original Color

39.0217, 20.2022, 3.0710



## Protanomaly

22.1383, 15.9521, 4.2951



## Deuteranomaly

24.2707, 16.5493, 2.2317



## Tritanomaly

38.6186, 20.1992, 2.1800

# Monochromacy



## Original Color

39.0217, 20.2022, 3.0710



## Achromatopsia

8.0200, 8.4376, 9.1886



## Achromatomaly

13.4187, 8.8420, 5.7021

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0217, 20.2022, 3.0710 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, 7, 30)` looks like.

```
.text, #text, p{  
    color:rgb(248, 7, 30)  
}
```

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, 7, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 7, 30) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0217, 20.2022, 3.0710 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, 7, 30) }
```



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

```
.border{ border-color:rgb(248, 7, 30) }
```

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

Here you see how a box with a 4 pixel rgb(248, 7, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 7, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 7, 30);  
box-shadow:4px 4px 4px 4px rgb(248, 7, 30)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 39.0217, 20.2022, 3.0710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 7, 30) }
```

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

```
.background{ background-color: rgb(248, 7,  
30) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**