

# Converting Colors

XYZ(39.2655, 21.3280, 3.1659)

Have a look what the booklet for  
XYZ(39.2655, 21.3280, 3.1659)  
contains.

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# Color

**XYZ(39.3262, 21.3756,  
3.1518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7281C
RGB	247, 40, 28
RGB Percent	97%, 16%, 11%
CMY	0.0314, 0.8431, 0.8902
CMYK	0.00, 0.84, 0.89, 0.03
HSL	3°, 93%, 54%
HSV	3°, 89%, 97%
XYZ	39.3262, 21.3756, 3.1518
YIQ	100.5250, 127.2240, 40.1520

# Conversions

## Conversions Part 2

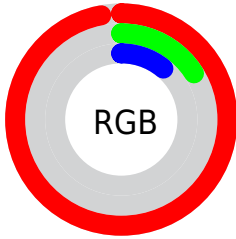
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 41, 28
Decimal	16197660
CIE <sub>Lab</sub>	53.36, 73.62, 58.17
CIE <sub>LCh</sub>	53, 93.831, 38.315
Yxy	21.3756, 0.6159, 0.3348
Android (android.graphics.Color)	4294387740 (0xFFFF7281C)
YUV	100.5250, -35.7548, 128.4586
Hunter-Lab	46.2338, 70.9221, 28.3218

# Details

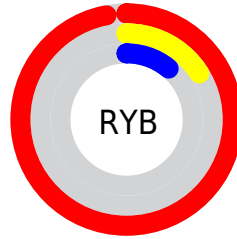
The XYZ color **39.3262, 21.3756, 3.1518** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **46.9694, 66.3664, 98.3295**, and the grayscale version is **12.3161, 12.9575, 14.1107**.

A 20% lighter version of the original color is **47.9421, 32.5209, 10.7715**, and **19.0561, 9.8238, 0.8918** is the 20% darker color. If you saturate the color by 10%, you get **38.5711, 20.1722, 1.9555**, and if you desaturate by 10%, it is **40.7911, 23.6240, 5.7422**.

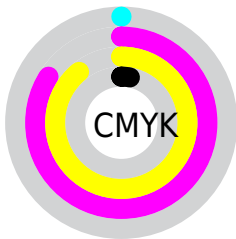
# Distribution



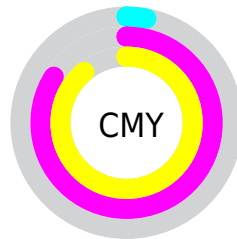
- Red (97%)
- Green (16%)
- Blue (11%)



- Red (97%)
- Yellow (16%)
- Blue (11%)



- Cyan (0%)
- Magenta (84%)
- Yellow (89%)
- Black (3%)




- Cyan (3%)
- Magenta (84%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3262, 21.3756, 3.1518 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 39.3262, 21.3756, 3.1518 by changing the saturation by 10% instead.




 39.3262, 21.3756,  
3.1518


 39.3262, 21.3756,  
3.1518

334.4587,  
259.2679, 138.2711


 27.1954, 13.3988,  
1.1727


 73.4273, 45.7118,  
12.0008

 17.8574, 7.7038,  
0.0000


 96.1283, 62.8400,  
19.7077


 10.9467, 3.9060,  
0.0000


 123.0834, 83.7875,  
30.1609

 6.0981, 1.6211,  
0.0000

 154.6581,  
108.9387, 43.7791

 2.9460, 0.3718,  
0.0000

 191.2176,  
138.6779, 60.9806


 1.1253, 0.0000,  
0.0000

 233.1273,


 0.0461, 0.0000,


173.3896, 82.1841


0.0000


 280.7525,  
213.4581, 107.8081

 0.0000, 0.0000,  
0.0000


 39.3262, 21.3756,  
3.1518

 39.3262, 21.3756,  
3.1518


 38.5711, 20.1722,  
1.9555

 40.7911, 23.6240,  
5.7422

 38.5087, 20.0763,  
1.8455

 43.0961, 27.0851,  
10.0522

 46.3426, 31.8990,  
16.3112

 50.6175, 38.1856,  
24.7134

 55.9977, 46.0517,  
35.4293

■ 62.5527, 55.5942,  
48.6123

■ 70.3463, 66.9021,  
64.4028

■ 79.4378, 80.0583,  
82.9304

■ 89.8826, 95.1403,  
104.3163

# Harmonies

## Analogous

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



45.7330, 21.3756, 16.2162



39.3262, 21.3756, 3.1518



28.2368, 21.3756, 0.3360

# Triad

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



39.3262, 21.3756, 3.1518



7.2210, 21.3756, 8.3327



23.2109, 21.3756, 130.4682

# Complementary

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



39.3262, 21.3756, 3.1518



46.9694, 66.3664, 98.3295

# 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.



14.0364, 21.3756, 120.3256



39.3262, 21.3756, 3.1518



6.6580, 21.3756, 32.1309

# Square

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



39.3262, 21.3756, 3.1518



10.6147, 21.3756, 1.3215



8.7001, 21.3756, 76.4457



34.6349, 21.3756, 98.1565



# Rectangle

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



39.3262, 21.3756, 3.1518



20.8845, 21.3756, 0.0000



8.7001, 21.3756, 76.4457



19.7596, 21.3756, 132.2188

# Sweetspot

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



39.3267, 21.3769, 3.1521



68.5170, 61.6078, 54.8183



53.9203, 26.6636, 81.6991



14.1025, 12.3684, 10.5968



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.



39.3267, 21.3769, 3.1521



41.3970, 21.5740, 1.9823



49.2278, 41.1791, 6.4525



16.5721, 16.6283, 17.1337



20.3971, 10.6797, 0.9863



1.8179, 0.9890, 0.0951



# Inverse Universe

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



46.9694, 66.3664, 98.3295



49.5061, 70.1322, 105.5354



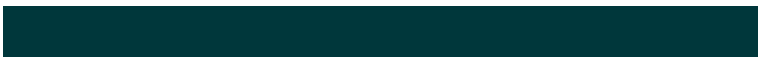
24.7987, 22.0251, 90.9393



16.9142, 18.5927, 21.2398



24.3909, 34.5756, 51.9262



2.1671, 3.0856, 4.5716



# Previews

## White Background



This preview shows how the XYZ color 39.3262, 21.3756, 3.1518 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 39.3262, 21.3756, 3.1518 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 39.3262, 21.3756, 3.1518**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3262, 21.3756, 3.1518.



This preview shows how white text looks on a background with the XYZ color 39.3262, 21.3756,



# 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

39.3262, 21.3756, 3.1518

### Protanopia

19.5804, 21.4914, 5.9126

### Tritanopia

39.4017, 21.3526, 3.7138

# Trichromacy



## Original Color

39.3262, 21.3756, 3.1518

## Protanomaly

23.6392, 18.3496, 4.3937

## Tritanomaly

39.3578, 21.3350, 3.4825

# Monochromacy



## Original Color

39.3262, 21.3756, 3.1518

## Achromatopsia

12.3695, 13.0136, 14.1719

## Achromatomaly

17.3584, 12.9564, 8.0645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3262, 21.3756, 3.1518 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, 40, 28)` looks like.

```
.text, #text, p{  
    color:rgb(247, 40, 28)  
}
```

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, 40, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 40, 28) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3262, 21.3756, 3.1518 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, 40, 28) }
```

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

```
.border{ border-color:rgb(247, 40, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 40, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 40, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 40, 28);  
box-shadow:4px 4px 4px 4px rgb(247, 40,  
28) }
```



# Background

The CSS property to change the background color of an element to XYZ 39.3262, 21.3756, 3.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 40, 28) }
```

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

```
.background{ background-color: rgb(247, 40,  
28) }
```

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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