

# Converting Colors

XYZ(39.2961, 20.1638, 6.0914)

Have a look what the booklet for  
XYZ(39.2961, 20.1638, 6.0914)  
contains.

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# Color

**XYZ(39.1734, 20.1004,  
6.0901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7003C
RGB	247, 0, 60
RGB Percent	97%, 0%, 24%
CMY	0.0314, 0.9997, 0.7647
CMYK	0.00, 1.00, 0.76, 0.03
HSL	345°, 100%, 48%
HSV	345°, 100%, 97%
XYZ	39.1734, 20.1004, 6.0901
YIQ	80.6930, 127.9520, 71.0240

# Conversions

## Conversions Part 2

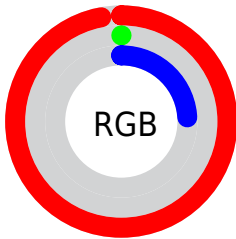
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 0, 60
Decimal	16187452
CIE <sub>Lab</sub>	51.95, 79.21, 40.67
CIE <sub>LCh</sub>	52, 89.036, 27.179
Yxy	20.1004, 0.5993, 0.3075
Android (android.graphics.Color)	4294377532 (0xFFFF7003C)
YUV	80.6930, -10.2016, 145.8512
Hunter-Lab	44.8335, 77.5064, 23.3296

# Details

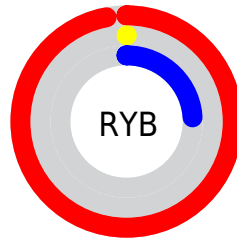
The XYZ color **39.1734, 20.1004, 6.0901** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **42.2378, 70.1121, 58.3561**, and the grayscale version is **7.7693, 8.1739, 8.9014**.

A 20% lighter version of the original color is **48.0767, 30.6873, 17.2992**, and **19.1652, 9.8674, 1.4668** is the 20% darker color. If you saturate the color by 10%, you get **39.1718, 20.0998, 6.0833**, and if you desaturate by 10%, it is **40.1007, 21.0195, 9.2847**.

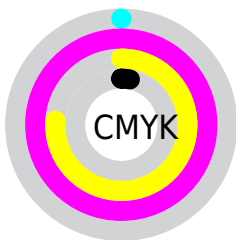
# Distribution



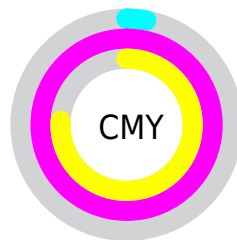
- Red (97%)
- Green (0%)
- Blue (24%)



- Red (97%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1734, 20.1004, 6.0901 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 39.1734, 20.1004, 6.0901 by changing the saturation by 10% instead.





 39.1734, 20.1004,  
6.0901


 39.1734, 20.1004,  
6.0901

333.8216,  
252.4581, 169.2065


 27.0760, 12.4680,  
2.8303


 73.1955, 43.5854,  
18.5985

 17.7672, 7.0633,  
1.0086


 95.8509, 60.2069,  
28.6842

 10.8816, 3.5017,  
0.0000


 122.7564, 80.5936,  
41.8822

 6.0540, 1.3989,  
0.0000

 154.2772,  
105.1298, 58.6111

 2.9189, 0.2159,  
0.0000

 190.7788,  
134.2000, 79.2894

 1.1110, 0.0000,  
0.0000

 232.6265,

 0.0343, 0.0000,

168.1885, 104.3358

0.0000

280.1857,  
207.4797, 134.1686

■ 0.0000, 0.0000,  
0.0000

■ 39.1734, 20.1004,  
6.0901

■ 39.1734, 20.1004,  
6.0901

■ 39.1718, 20.0998,  
6.0833

■ 40.1007, 21.0195,  
9.2847

■ 41.6522, 22.8804,  
13.6308

■ 43.9764, 25.9572,  
19.2505

■ 47.1670, 30.4162,  
26.2401

■ 51.3039, 36.3976,  
34.6860

■ 56.4573, 44.0242,  
44.6671

■ 62.6909, 53.4061,  
56.2563

■ 70.0628, 64.6439,  
69.5219

■ 78.6269, 77.8307,  
84.5278

# Harmonies

## Analogous

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



42.3253, 20.1004, 24.4345



39.1734, 20.1004, 6.0901



30.1899, 20.1004, 1.0325

# Triad

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



39.1734, 20.1004, 6.0901



7.8849, 20.1004, 4.4512



18.2602, 20.1004, 119.1260

# Complementary

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



39.1734, 20.1004, 6.0901



42.2378, 70.1121, 58.3561

# 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.



11.1318, 20.1004, 96.3020



39.1734, 20.1004, 6.0901



6.4517, 20.1004, 19.5210

# Square

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



39.1734, 20.1004, 6.0901



12.2003, 20.1004, 0.7246



7.4191, 20.1004, 53.5061



28.2195, 20.1004, 103.0475



# Rectangle

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



39.1734, 20.1004, 6.0901



23.2377, 20.1004, 0.1925



7.4191, 20.1004, 53.5061



15.4935, 20.1004, 115.5011

# Sweetspot

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



39.1738, 20.1017, 6.0904



67.3459, 57.3345, 60.3814



36.8608, 17.0641, 89.3460



13.7786, 11.3107, 11.7528



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.



39.1738, 20.1017, 6.0904



42.1066, 21.6066, 6.4934



40.0695, 23.1975, 2.3675



16.6640, 16.5485, 17.9773



20.7633, 10.6488, 3.4621



1.8638, 0.9515, 0.5093



# Inverse Universe

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



39.1738, 20.1017, 6.0904



42.1066, 21.6066, 6.4934



34.1938, 41.5249, 94.2080



16.6640, 16.5485, 17.9773



20.7633, 10.6488, 3.4621



1.8638, 0.9515, 0.5093



# Previews

## White Background



This preview shows how the XYZ color 39.1734, 20.1004, 6.0901 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 39.1734, 20.1004, 6.0901**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1734, 20.1004, 6.0901.



This preview shows how white text looks on a background with the XYZ color 39.1734, 20.1004,



# 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

39.1734, 20.1004, 6.0901

### Protanopia

19.2136, 20.5735, 12.8559

### Deuteranopia

20.8003, 20.4588, 5.4374



## Tritanopia

38.4399, 20.3226, 2.3486

# Trichromacy



## Original Color

39.1734, 20.1004, 6.0901



## Protanomaly

22.2211, 15.5466, 9.4190



## Deuteranomaly

24.1682, 16.2267, 4.9902



## Tritanomaly

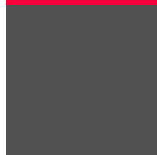
38.4386, 20.0623, 3.1428

# Monochromacy



## Original Color

39.1734, 20.1004, 6.0901



## Achromatopsia

7.8210, 8.2283, 8.9606



## Achromatomaly

13.4151, 8.5997, 7.2562

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1734, 20.1004, 6.0901 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, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 60)  
}
```

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, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 60) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1734, 20.1004, 6.0901 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, 0, 60) }
```



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

```
.border{ border-color:rgb(247, 0, 60) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 60)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 39.1734, 20.1004, 6.0901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 60) }
```

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

```
.background{ background-color: rgb(247, 0,  
60) }
```

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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