

Converting Colors

XYZ(36.9046, 19.1729, 5.0259)

Have a look what the booklet for
XYZ(36.9046, 19.1729, 5.0259)
contains.

XYZ(37.0394, 19.2366, 5.0096)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0394, 19.2366,
5.0096)**

Conversions

Conversions Part 1

Format	Color
Hex	F10D34
RGB	241, 13, 52
RGB Percent	95%, 5%, 20%
CMY	0.0549, 0.9488, 0.7961
CMYK	0.00, 0.95, 0.78, 0.05
HSL	350°, 90%, 50%
HSV	350°, 95%, 95%
XYZ	37.0394, 19.2366, 5.0096
YIQ	85.6180, 123.3690, 60.4650

Conversions

Conversions Part 2

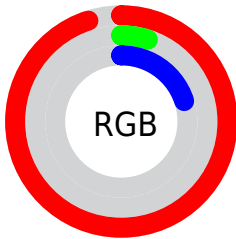
Format	Color
R_{YB}	241, 13, 52
Decimal	15797556
CIE Lab	50.96, 76.58, 43.79
CIE LCh	51, 88.214, 29.761
Yxy	19.2366, 0.6044, 0.3139
Android (android.graphics.Color)	4293987636 (0xFFFF10D34)
YUV	85.6180, -16.5737, 136.2700
Hunter-Lab	43.8595, 73.9891, 23.9296

Details

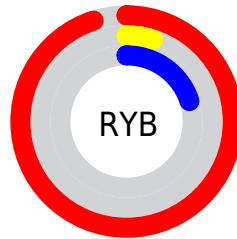
The XYZ color **37.0394, 19.2366, 5.0096** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **42.2889, 67.2629, 66.6650**, and the grayscale version is **8.7864, 9.2440, 10.0667**.

A 20% lighter version of the original color is **47.7668, 30.7102, 15.2145**, and **17.7285, 9.1337, 1.0870** is the 20% darker color. If you saturate the color by 10%, you get **36.6787, 18.8620, 3.8215**, and if you desaturate by 10%, it is **38.1109, 20.5011, 8.0763**.

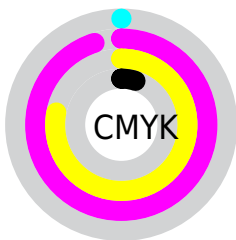
Distribution



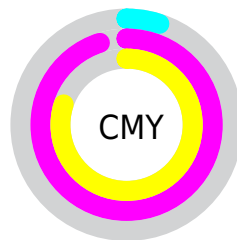
- Red (95%)
- Green (5%)
- Blue (20%)



- Red (95%)
- Yellow (5%)
- Blue (20%)



- Cyan (0%)
- Magenta (95%)
- Yellow (78%)
- Black (5%)





- Cyan (5%)
- Magenta (95%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0394, 19.2366, 5.0096 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 37.0394, 19.2366, 5.0096 by changing the saturation by 10% instead.


 37.0394, 19.2366,
5.0096

 37.0394, 19.2366,
5.0096


324.8336,
247.7518, 158.8612


 25.4118, 11.8414,
2.1941


 69.9468, 42.1335,
16.2784


 16.5145, 6.6358,
0.6709


 91.9574, 58.4040,
25.5686


 9.9821, 3.2354,
0.0000


 118.1596, 78.4017,
37.8543

 5.4493, 1.2558,
0.0000

 148.9189,
102.5109, 53.5537

 2.5506, 0.1066,
0.0000

 184.6006,
131.1162, 73.0856

 0.9209, 0.0000,
0.0000

 225.5700,

 0.0000, 0.0000,

164.6018, 96.8685

0.0000

272.1926,
203.3522, 125.3208

■ 37.0394, 19.2366,
5.0096

■ 37.0394, 19.2366,
5.0096

■ 36.6787, 18.8620,
3.8215

■ 38.1109, 20.5011,
8.0763

■ 39.8880, 22.8375,
12.4229

■ 42.4735, 26.4223,
18.1752

■ 45.9527, 31.3992,
25.4432

■ 50.3993, 37.8921,
34.3255

■ 55.8796, 46.0111,
44.9123

■ 62.4538, 55.8563,
57.2872

■ 70.1775, 67.5195,
71.5279

■ 79.1024, 81.0860,
87.7078

Harmonies

Analogous

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



40.6931, 19.2366, 21.1465



37.0394, 19.2366, 5.0096



28.0925, 19.2366, 0.8149

Triad

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



37.0394, 19.2366, 5.0096



7.2884, 19.2366, 4.8770



18.2139, 19.2366, 114.9816

Complementary

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



37.0394, 19.2366, 5.0096



42.2889, 67.2629, 66.6650

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.



11.0740, 19.2366, 95.8277



37.0394, 19.2366, 5.0096



6.1214, 19.2366, 20.7455

Square

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



37.0394, 19.2366, 5.0096



11.1610, 19.2366, 0.7892



7.2505, 19.2366, 54.9583



27.9314, 19.2366, 96.3813

Rectangle

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



37.0394, 19.2366, 5.0096



21.4286, 19.2366, 0.0740



7.2505, 19.2366, 54.9583



15.4628, 19.2366, 112.6198

Sweetspot

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



37.0398, 19.2378, 5.0099



68.2384, 59.3514, 59.9640



39.6305, 18.8109, 84.7606



13.9215, 11.6794, 11.5445



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.



37.0398, 19.2378, 5.0099



41.6865, 21.4386, 4.2814



39.6156, 25.2643, 3.1711



15.8830, 15.8029, 16.9401



19.9237, 10.2419, 2.2487



1.6890, 0.8646, 0.3531

Inverse Universe

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



37.0398, 19.2378, 5.0099



41.6865, 21.4386, 4.2814



30.1978, 34.7446, 88.3333



15.8830, 15.8029, 16.9401



19.9237, 10.2419, 2.2487



1.6890, 0.8646, 0.3531

Previews

White Background



This preview shows how the XYZ color 37.0394, 19.2366, 5.0096 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 37.0394, 19.2366, 5.0096 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 37.0394, 19.2366, 5.0096

Background



This preview shows how black text looks on a background with the XYZ color 37.0394, 19.2366, 5.0096.



This preview shows how white text looks on a background with the XYZ color 37.0394, 19.2366,

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

37.0394, 19.2366, 5.0096

Protanopia

18.0437, 19.4701, 10.2042

Deuteranopia

19.8903, 19.4882, 4.3823



Tritanopia

36.3480, 19.2130, 2.2447

Trichromacy



Original Color

37.0394, 19.2366, 5.0096

Protanomaly

21.1047, 15.2349, 7.4585

Deuteranomaly

23.4636, 16.1982, 4.0804

Tritanomaly

36.3949, 19.1094, 2.8689

Monochromacy



Original Color

37.0394, 19.2366, 5.0096

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

13.9553, 9.3731, 7.5522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0394, 19.2366, 5.0096 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(241, 13, 52)` looks like.

```
.text, #text, p{  
  color:rgb(241, 13, 52)  
}
```

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(241, 13, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 13, 52) }
```

Border

The CSS property to change the border of an element to XYZ 37.0394, 19.2366, 5.0096 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(241, 13, 52) }
```


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

```
.border{ border-color:rgb(241, 13, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 13, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 13, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 13, 52);  
box-shadow:4px 4px 4px 4px rgb(241, 13,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0394, 19.2366, 5.0096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 13, 52) }
```

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

```
.background{ background-color: rgb(241, 13,  
52) }
```

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