

Converting Colors

XYZ(37.9902, 19.5063, 5.3202)

Have a look what the booklet for
XYZ(37.9902, 19.5063, 5.3202)
contains.

XYZ(37.9978, 19.5089, 5.3773)	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(37.9978, 19.5089,
5.3773)**

Conversions

Conversions Part 1

Format	Color
Hex	F40037
RGB	244, 0, 55
RGB Percent	96%, 0%, 22%
CMY	0.0431, 0.9998, 0.7843
CMYK	0.00, 1.00, 0.77, 0.04
HSL	346°, 100%, 48%
HSV	346°, 100%, 96%
XYZ	37.9978, 19.5089, 5.3773
YIQ	79.2260, 127.7690, 68.8330

Conversions

Conversions Part 2

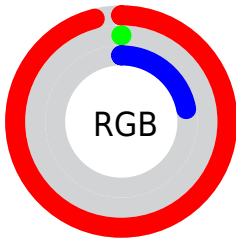
Format	Color
R_{YB}	244, 0, 55
Decimal	15990839
CIE _{Lab}	51.28, 78.35, 42.62
CIE _{LCh}	51, 89.188, 28.545
Yxy	19.5089, 0.6043, 0.3102
Android (android.graphics.Color)	4294180919 (0xFFFF40037)
YUV	79.2260, -11.9434, 144.5068
Hunter-Lab	44.1689, 76.2652, 23.7000

Details

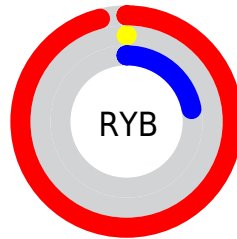
The XYZ color **37.9978, 19.5089, 5.3773** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.5432, 68.3781, 59.1876**, and the grayscale version is **7.4867, 7.8766, 8.5777**.

A 20% lighter version of the original color is **47.7305, 30.4037, 15.9232**, and **18.4327, 9.4940, 1.2418** is the 20% darker color. If you saturate the color by 10%, you get **37.9964, 19.5083, 5.3713**, and if you desaturate by 10%, it is **38.8770, 20.3986, 8.3501**.

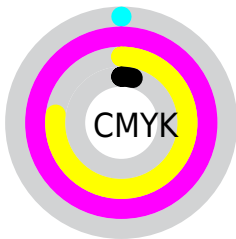
Distribution



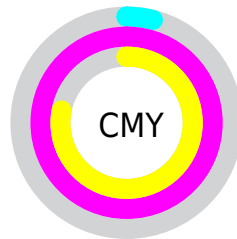
- Red (96%)
- Green (0%)
- Blue (22%)



- Red (96%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9978, 19.5089, 5.3773 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 37.9978, 19.5089, 5.3773 by changing the saturation by 10% instead.

 37.9978, 19.5089,
5.3773


 37.9978, 19.5089,
5.3773

328.8916,
249.2440, 162.4857


 26.1582, 12.0386,
2.4077


 71.4087, 42.5923,
17.0788


 17.0753, 6.7700,
0.7906


 93.7107, 58.9741,
26.6479


 10.3838, 3.3186,
0.0000


 120.2308, 79.0952,
39.2538

 5.7184, 1.3003,
0.0000

 151.3345,
103.3400, 55.3151

 2.7136, 0.1414,
0.0000

 187.3871,
132.0929, 75.2504

 1.0042, 0.0000,
0.0000

 228.7538,

 0.0000, 0.0000,

165.7383, 99.4783

0.0000

275.8002,
204.6605, 128.4172

■ 37.9978, 19.5089,
5.3773

■ 37.9978, 19.5089,
5.3773

■ 37.9964, 19.5083,
5.3713

■ 38.8770, 20.3986,
8.3501

■ 40.3679, 22.2050,
12.4701

■ 42.6165, 25.1960,
17.8632

■ 45.7150, 29.5335,
24.6287

■ 49.7418, 35.3539,
32.8558

■ 54.7660, 42.7765,
42.6256

■ 60.8501, 51.9086,
54.0132

■ 68.0512, 62.8482,
67.0884

■ 76.4224, 75.6858,
81.9171

Harmonies

Analogous

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



41.4432, 19.5089, 22.5109



37.9978, 19.5089, 5.3773



28.9801, 19.5089, 0.8619

Triad

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



37.9978, 19.5089, 5.3773



7.4423, 19.5089, 4.5600



18.1114, 19.5089, 117.5204

Complementary

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



37.9978, 19.5089, 5.3773



41.5432, 68.3781, 59.1876

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.



10.9709, 19.5089, 96.4483



37.9978, 19.5089, 5.3773



6.1590, 19.5089, 20.0215

Square

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



37.9978, 19.5089, 5.3773



11.5100, 19.5089, 0.7035



7.2083, 19.5089, 54.3109



27.9782, 19.5089, 99.9013

Rectangle

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



37.9978, 19.5089, 5.3773



22.1523, 19.5089, 0.0698



7.2083, 19.5089, 54.3109



15.3481, 19.5089, 114.5421

Sweetspot

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



37.9982, 19.5101, 5.3776



67.1930, 57.2733, 59.5763



36.8429, 17.1079, 86.9477



13.7433, 11.2966, 11.5670



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.



37.9982, 19.5101, 5.3776



41.9893, 21.5597, 5.8757



39.2050, 23.0266, 2.3800



16.6520, 16.5436, 17.9138



20.7027, 10.6245, 3.1429



1.8570, 0.9487, 0.4731

Inverse Universe

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



37.9982, 19.5101, 5.3776



41.9893, 21.5597, 5.8757



32.4397, 38.7519, 91.3574



16.6520, 16.5436, 17.9138



20.7027, 10.6245, 3.1429



1.8570, 0.9487, 0.4731

Previews

White Background



This preview shows how the XYZ color 37.9978, 19.5089, 5.3773 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 37.9978, 19.5089, 5.3773 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 37.9978, 19.5089, 5.3773

Background



This preview shows how black text looks on a background with the XYZ color 37.9978, 19.5089, 5.3773.



This preview shows how white text looks on a background with the XYZ color 37.9978, 19.5089,

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

37.9978, 19.5089, 5.3773

Protanopia

18.6394, 20.1237, 11.2894

Deuteranopia

20.3790, 20.0786, 4.8090



Tritanopia

37.3289, 19.6916, 2.1500

Trichromacy



Original Color

37.9978, 19.5089, 5.3773



Protanomaly

21.4541, 15.0717, 8.0817



Deuteranomaly

23.4832, 15.7864, 4.2920



Tritanomaly

37.3308, 19.4755, 2.8285

Monochromacy



Original Color

37.9978, 19.5089, 5.3773



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.8936, 8.2124, 6.6999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9978, 19.5089, 5.3773 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(244, 0, 55)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 55)  
}
```

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(244, 0, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 55) }
```

Border

The CSS property to change the border of an element to XYZ 37.9978, 19.5089, 5.3773 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(244, 0, 55) }
```


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

```
.border{ border-color:rgb(244, 0, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 0, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 55);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.9978, 19.5089, 5.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 55) }
```

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

```
.background{ background-color: rgb(244, 0,  
55) }
```

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