

Converting Colors

XYZ(37.7053, 19.5574, 5.4122)

Have a look what the booklet for
XYZ(37.7053, 19.5574, 5.4122)
contains.

XYZ(37.7832, 19.5935, 5.4049)	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(37.7832, 19.5935,
5.4049)**

Conversions

Conversions Part 1

Format	Color
Hex	F30C37
RGB	243, 12, 55
RGB Percent	95%, 5%, 22%
CMY	0.0471, 0.9527, 0.7843
CMYK	0.00, 0.95, 0.77, 0.05
HSL	349°, 91%, 50%
HSV	349°, 95%, 95%
XYZ	37.7832, 19.5935, 5.4049
YIQ	85.9710, 123.8730, 62.3450

Conversions

Conversions Part 2

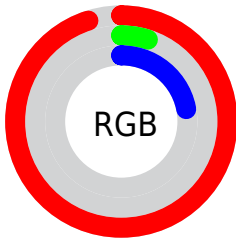
Format	Color
R_{YB}	243, 12, 55
Decimal	15928375
CIE _{Lab}	51.37, 77.23, 42.66
CIE _{LCh}	51, 88.232, 28.914
Yxy	19.5935, 0.6018, 0.3121
Android (android.graphics.Color)	4294118455 (0xFFFF30C37)
YUV	85.9710, -15.2687, 137.7144
Hunter-Lab	44.2645, 74.9005, 23.7456

Details

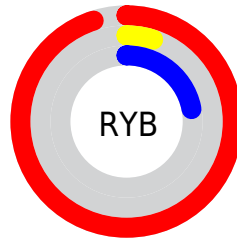
The XYZ color **37.7832, 19.5935, 5.4049** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **42.6349, 68.3521, 65.6253**, and the grayscale version is **8.8589, 9.3203, 10.1498**.

A 20% lighter version of the original color is **47.9130, 30.7687, 15.9840**, and **18.2041, 9.3762, 1.2311** is the 20% darker color. If you saturate the color by 10%, you get **37.4390, 19.2454, 4.2426**, and if you desaturate by 10%, it is **38.8662, 20.8431, 8.5921**.

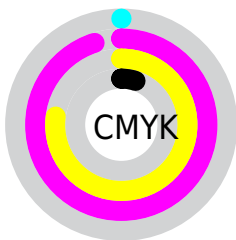
Distribution



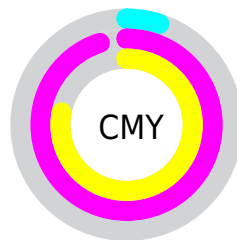
- Red (95%)
- Green (5%)
- Blue (22%)



- Red (95%)
- Yellow (5%)
- Blue (22%)



- Cyan (0%)
- Magenta (95%)
- Yellow (77%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7832, 19.5935, 5.4049 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 37.7832, 19.5935, 5.4049 by changing the saturation by 10% instead.


 37.7832, 19.5935,
5.4049

 37.7832, 19.5935,
5.4049


327.9860,
249.7059, 162.7531


 25.9909, 12.0999,
2.4239


 71.0818, 42.7346,
17.1384


 16.9495, 6.8118,
0.7994


 93.3188, 59.1509,
26.7280


 10.2936, 3.3447,
0.0000


 119.7680, 79.3102,
39.3575

 5.6578, 1.3142,
0.0000

 150.7949,
103.5969, 55.4455

 2.6768, 0.1522,
0.0000

 186.7648,
132.3955, 75.4106

 0.9852, 0.0000,
0.0000

 228.0431,

 0.0000, 0.0000,

166.0902, 99.6711

0.0000

274.9950,
205.0656, 128.6458

■ 37.7832, 19.5935,
5.4049

■ 37.7832, 19.5935,
5.4049

■ 37.4390, 19.2454,
4.2426

■ 38.8662, 20.8431,
8.5921

■ 40.6582, 23.1740,
13.0527

■ 43.2640, 26.7678,
18.9091

■ 46.7700, 31.7718,
26.2680

■ 51.2511, 38.3129,
35.2255

■ 56.7743, 46.5038,
45.8696

■ 63.4005, 56.4466,
58.2817

■ 71.1860, 68.2350,
72.5378

■ 80.1830, 81.9562,
88.7094

Harmonies

Analogous

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



41.2715, 19.5935, 22.2687



37.7832, 19.5935, 5.4049



28.8340, 19.5935, 0.9100

Triad

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



37.7832, 19.5935, 5.4049



7.5407, 19.5935, 4.7908



18.3032, 19.5935, 116.1924

Complementary

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



37.7832, 19.5935, 5.4049



42.6349, 68.3521, 65.6253

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.



11.1618, 19.5935, 95.9179



37.7832, 19.5935, 5.4049



6.2851, 19.5935, 20.4258

Square

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



37.7832, 19.5935, 5.4049



11.5626, 19.5935, 0.7930



7.3660, 19.5935, 54.5264



28.0946, 19.5935, 98.4497

Rectangle

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



37.7832, 19.5935, 5.4049



22.0813, 19.5935, 0.1392



7.3660, 19.5935, 54.5264



15.5462, 19.5935, 113.4335

Sweetspot

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



37.7836, 19.5947, 5.4052



67.6018, 58.2592, 59.1936



39.2862, 18.5802, 86.3091



13.8065, 11.4762, 11.4241



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.



37.7836, 19.5947, 5.4052



41.7615, 21.4686, 4.6762



39.9964, 25.0169, 3.0704



16.6250, 16.5328, 17.7717



20.5838, 10.5770, 2.5168



1.8428, 0.9431, 0.3987

Inverse Universe

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



37.7836, 19.5947, 5.4052



41.7615, 21.4686, 4.6762



31.4114, 36.7125, 90.2240



16.6250, 16.5328, 17.7717



20.5838, 10.5770, 2.5168



1.8428, 0.9431, 0.3987

Previews

White Background



This preview shows how the XYZ color 37.7832, 19.5935, 5.4049 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 37.7832, 19.5935, 5.4049 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 37.7832, 19.5935, 5.4049

Background



This preview shows how black text looks on a background with the XYZ color 37.7832, 19.5935, 5.4049.



This preview shows how white text looks on a background with the XYZ color 37.7832, 19.5935,

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

37.7832, 19.5935, 5.4049

Protanopia

18.4758, 19.8588, 11.0430

Deuteranopia

20.2619, 19.8443, 4.7699



Tritanopia

37.0591, 19.6099, 2.3221

Trichromacy



Original Color

37.7832, 19.5935, 5.4049

Protanomaly

21.7514, 15.6662, 8.1808

Deuteranomaly

23.7632, 16.3462, 4.3853

Tritanomaly

37.1024, 19.4713, 3.0311

Monochromacy



Original Color

37.7832, 19.5935, 5.4049

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

14.1617, 9.4756, 7.7392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7832, 19.5935, 5.4049 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(243, 12, 55)` looks like.

```
.text, #text, p{  
  color:rgb(243, 12, 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(243, 12, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 12, 55) }
```

Border

The CSS property to change the border of an element to XYZ 37.7832, 19.5935, 5.4049 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(243, 12, 55) }
```


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

```
.border{ border-color:rgb(243, 12, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 12, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 12, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 12, 55);  
box-shadow:4px 4px 4px 4px rgb(243, 12,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7832, 19.5935, 5.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 12, 55) }
```

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

```
.background{ background-color: rgb(243, 12,  
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](#).

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