

Converting Colors

XYZ(37.8229, 19.3692, 7.6109)

Have a look what the booklet for
XYZ(37.8229, 19.3692, 7.6109)
contains.

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Color

**XYZ(37.7234, 19.3194,
7.5351)**

Conversions

Conversions Part 1

Format	Color
Hex	F20046
RGB	242, 0, 70
RGB Percent	95%, 0%, 27%
CMY	0.0510, 0.9998, 0.7255
CMYK	0.00, 1.00, 0.71, 0.05
HSL	343°, 100%, 47%
HSV	343°, 100%, 95%
XYZ	37.7234, 19.3194, 7.5351
YIQ	80.3380, 121.7620, 73.0740

Conversions

Conversions Part 2

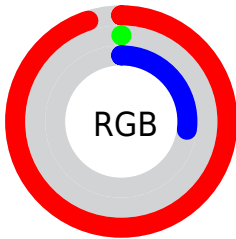
Format	Color
R_{YB}	242, 0, 70
Decimal	15859782
CIE _{Lab}	51.06, 78.40, 33.51
CIE _{LCh}	51, 85.260, 23.141
Yxy	19.3194, 0.5842, 0.2992
Android (android.graphics.Color)	4294049862 (0xFFFF20046)
YUV	80.3380, -5.0966, 141.7776
Hunter-Lab	43.9538, 76.2785, 20.6035

Details

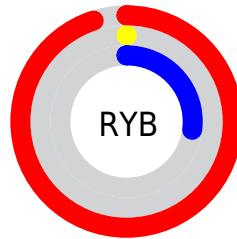
The XYZ color **37.7234, 19.3194, 7.5351** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark saturated red. A complement of this color would be **39.2048, 66.4850, 49.8263**, and the grayscale version is **7.6903, 8.0908, 8.8109**.

A 20% lighter version of the original color is **48.6022, 30.7524, 20.5137**, and **18.3411, 9.4310, 1.9523** is the 20% darker color. If you saturate the color by 10%, you get **37.7218, 19.3188, 7.5280**, and if you desaturate by 10%, it is **38.6784, 20.2326, 10.9274**.

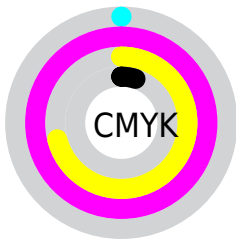
Distribution



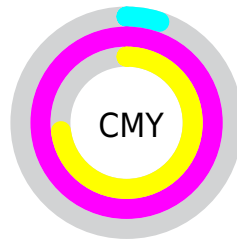
- Red (95%)
- Green (0%)
- Blue (27%)



- Red (95%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7234, 19.3194, 7.5351 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 37.7234, 19.3194, 7.5351 by changing the saturation by 10% instead.


 37.7234, 19.3194,
7.5351


 37.7234, 19.3194,
7.5351


327.7333,
248.2064, 181.8350


 25.9443, 11.9013,
3.7155


 70.9906, 42.2731,
21.5728

 16.9145, 6.6765,
1.4706


 93.2095, 58.5775,
32.6279


 10.2684, 3.2606,
0.1959


 119.6390, 78.6128,
46.9320

 5.6409, 1.2693,
0.0000

 150.6444,
102.7634, 64.9035

 2.6666, 0.1172,
0.0000

 186.5913,
131.4136, 86.9610

 0.9800, 0.0000,
0.0000

 227.8448,

 0.0000, 0.0000,

164.9480, 113.5231

0.0000

274.7704,
203.7507, 145.0082

■ 37.7234, 19.3194,
7.5351

■ 37.7234, 19.3194,
7.5351

■ 37.7218, 19.3188,
7.5280

■ 38.6784, 20.2326,
10.9274

■ 40.2131, 22.0367,
15.3398

■ 42.4669, 24.9932,
20.8727

■ 45.5263, 29.2594,
27.6042

■ 49.4649, 34.9675,
35.6042

■ 54.3475, 42.2333,
44.9370

■ 60.2327, 51.1610,
55.6622

■ 67.1740, 61.8455,
67.8355

■ 75.2212, 74.3746,
81.5095

Harmonies

Analogous

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



39.6812, 19.3194, 27.0970



37.7234, 19.3194, 7.5351



29.9358, 19.3194, 1.4496

Triad

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



37.7234, 19.3194, 7.5351



8.1884, 19.3194, 3.6480



16.4895, 19.3194, 109.3218

Complementary

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



37.7234, 19.3194, 7.5351



39.2048, 66.4850, 49.8263

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.



10.2384, 19.3194, 84.5597



37.7234, 19.3194, 7.5351



6.4931, 19.3194, 15.9530

Square

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



37.7234, 19.3194, 7.5351



12.6883, 19.3194, 0.6734



7.1071, 19.3194, 45.1362



25.5172, 19.3194, 99.4031

Rectangle

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



37.7234, 19.3194, 7.5351



23.4897, 19.3194, 0.4500



7.1071, 19.3194, 45.1362



14.0416, 19.3194, 104.3961

Sweetspot

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



37.7238, 19.3206, 7.5354



67.7574, 57.4991, 62.5482



32.4795, 14.8933, 85.1666



13.8739, 11.3488, 12.2545



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.



37.7238, 19.3206, 7.5354



42.4665, 21.7506, 8.3885



37.6934, 21.0280, 2.0739



15.9607, 15.8340, 17.3493



20.3158, 10.3987, 4.3136



1.7316, 0.8817, 0.5777

Inverse Universe

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



37.7238, 19.3206, 7.5354



42.4665, 21.7506, 8.3885



35.2331, 44.8220, 90.7983



15.9607, 15.8340, 17.3493



20.3158, 10.3987, 4.3136



1.7316, 0.8817, 0.5777

Previews

White Background



This preview shows how the XYZ color 37.7234, 19.3194, 7.5351 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 37.7234, 19.3194, 7.5351 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 37.7234, 19.3194, 7.5351

Background



This preview shows how black text looks on a background with the XYZ color 37.7234, 19.3194, 7.5351.



This preview shows how white text looks on a background with the XYZ color 37.7234, 19.3194,

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

37.7234, 19.3194, 7.5351

Protanopia

18.7876, 19.9112, 15.9497

Deuteranopia

20.0739, 19.7035, 6.7481



Tritanopia

36.8598, 19.6374, 2.6067

Trichromacy



Original Color

37.7234, 19.3194, 7.5351



Protanomaly

21.4507, 14.8794, 11.8666



Deuteranomaly

23.3259, 15.5596, 6.3313



Tritanomaly

36.8581, 19.2799, 3.6982

Monochromacy



Original Color

37.7234, 19.3194, 7.5351



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

13.1358, 8.3784, 7.7623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7234, 19.3194, 7.5351 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(242, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 70)  
}
```

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(242, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 37.7234, 19.3194, 7.5351 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(242, 0, 70) }
```


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

```
.border{ border-color:rgb(242, 0, 70) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.7234, 19.3194, 7.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 70) }
```

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

```
.background{ background-color: rgb(242, 0,  
70) }
```

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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