

Converting Colors

XYZ(37.1458, 19.1791, 7.4983)

Have a look what the booklet for
XYZ(37.1458, 19.1791, 7.4983)
contains.

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Color

**XYZ(37.1492, 19.1845,
7.5394)**

Conversions

Conversions Part 1

Format	Color
Hex	F00A46
RGB	240, 10, 70
RGB Percent	94%, 4%, 27%
CMY	0.0588, 0.9606, 0.7255
CMYK	0.00, 0.96, 0.71, 0.06
HSL	344°, 92%, 49%
HSV	344°, 96%, 94%
XYZ	37.1492, 19.1845, 7.5394
YIQ	85.6100, 117.8200, 67.4200

Conversions

Conversions Part 2

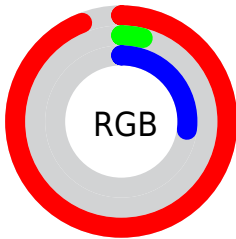
Format	Color
R_{YB}	240, 10, 70
Decimal	15731270
CIE Lab	50.90, 77.20, 33.22
CIE LCh	51, 84.045, 23.283
Yxy	19.1845, 0.5816, 0.3004
Android (android.graphics.Color)	4293921350 (0xFFFF00A46)
YUV	85.6100, -7.6957, 135.4000
Hunter-Lab	43.8001, 74.7451, 20.4544

Details

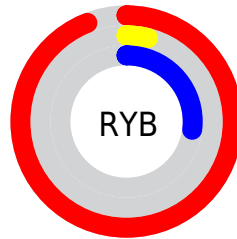
The XYZ color **37.1492, 19.1845, 7.5394** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark saturated red. A complement of this color would be **39.5299, 65.6823, 53.8052**, and the grayscale version is **8.7679, 9.2245, 10.0455**.

A 20% lighter version of the original color is **48.7847, 31.1174, 20.5746**, and **17.8888, 9.1978, 1.9311** is the 20% darker color. If you saturate the color by 10%, you get **36.8200, 18.8792, 6.3424**, and if you desaturate by 10%, it is **38.2595, 20.3729, 11.0929**.

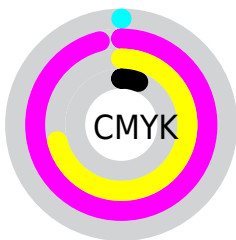
Distribution



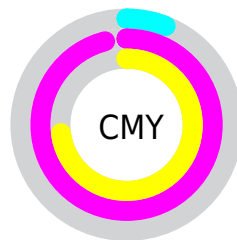
- Red (94%)
- Green (4%)
- Blue (27%)



- Red (94%)
- Yellow (4%)
- Blue (27%)



- Cyan (0%)
- Magenta (96%)
- Yellow (71%)
- Black (6%)





- Cyan (6%)
- Magenta (96%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1492, 19.1845, 7.5394 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 37.1492, 19.1845, 7.5394 by changing the saturation by 10% instead.


 37.1492, 19.1845,
7.5394


 37.1492, 19.1845,
7.5394

325.3003,
247.4654, 181.8709


 25.4972, 11.8037,
3.7181


 70.1145, 42.0456,
21.5815

 16.5786, 6.6101,
1.4720


 92.1586, 58.2947,
32.6394

 10.0279, 3.2195,
0.1970


 118.3975, 78.2687,
46.9466

 5.4799, 1.2474,
0.0000

 149.1964,
102.3519, 64.9216

 2.5691, 0.0999,
0.0000

 184.9208,
130.9288, 86.9830

 0.9302, 0.0000,
0.0000

 225.9360,

 0.0000, 0.0000,

164.3838, 113.5493

0.0000

272.6074,
203.1012, 145.0391

■ 37.1492, 19.1845,
7.5394

■ 37.1492, 19.1845,
7.5394

■ 36.8200, 18.8792,
6.3424

■ 38.2595, 20.3729,
11.0929

■ 40.0259, 22.5871,
15.7466

■ 42.5463, 26.0044,
21.5918

■ 45.9008, 30.7676,
28.7090

■ 50.1589, 36.9994,
37.1708

■ 55.3824, 44.8085,
47.0442

■ 61.6276, 54.2934,
58.3915

■ 68.9463, 65.5444,
71.2710

■ 77.3869, 78.6454,
85.7380

Harmonies

Analogous

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



39.0929, 19.1845, 26.6968



37.1492, 19.1845, 7.5394



29.5231, 19.1845, 1.5031

Triad

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



37.1492, 19.1845, 7.5394



8.2076, 19.1845, 3.7554



16.4325, 19.1845, 106.9624

Complementary

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



37.1492, 19.1845, 7.5394



39.5299, 65.6823, 53.8052

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.



10.2671, 19.1845, 83.0282



37.1492, 19.1845, 7.5394



6.5415, 19.1845, 15.9906

Square

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



37.1492, 19.1845, 7.5394



12.6305, 19.1845, 0.7384



7.1604, 19.1845, 44.6340



25.2901, 19.1845, 97.1619

Rectangle

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



37.1492, 19.1845, 7.5394



23.2152, 19.1845, 0.5082



7.1604, 19.1845, 44.6340



14.0222, 19.1845, 102.2323

Sweetspot

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



37.1496, 19.1857, 7.5397



68.2377, 58.5136, 62.5423



34.3542, 16.0554, 83.7259



13.9540, 11.5352, 12.2007



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.



37.1496, 19.1857, 7.5397



42.2374, 21.6590, 7.1823



37.8072, 22.1815, 2.5776



15.9419, 15.8265, 17.2504



20.2021, 10.3533, 3.7150



1.7201, 0.8771, 0.5167

Inverse Universe

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



37.1496, 19.1857, 7.5397



42.2374, 21.6590, 7.1823



33.4860, 41.6201, 88.7061



15.9419, 15.8265, 17.2504



20.2021, 10.3533, 3.7150



1.7201, 0.8771, 0.5167

Previews

White Background



This preview shows how the XYZ color 37.1492, 19.1845, 7.5394 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 37.1492, 19.1845, 7.5394 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 37.1492, 19.1845, 7.5394

Background



This preview shows how black text looks on a background with the XYZ color 37.1492, 19.1845, 7.5394.



This preview shows how white text looks on a background with the XYZ color 37.1492, 19.1845,

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

37.1492, 19.1845, 7.5394

Protanopia

18.5115, 19.5857, 15.9015

Deuteranopia

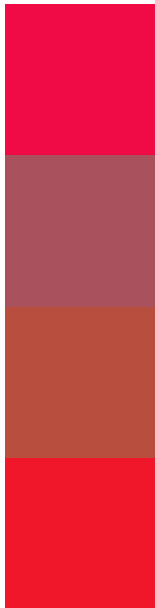
19.8875, 19.6074, 6.7394



Tritanopia

36.2257, 19.3452, 2.6888

Trichromacy



Original Color

37.1492, 19.1845, 7.5394

Protanomaly

21.2364, 15.0926, 11.9191

Deuteranomaly

23.1223, 15.8639, 6.4008

Tritanomaly

36.3032, 19.1236, 3.8757

Monochromacy



Original Color

37.1492, 19.1845, 7.5394

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

14.1164, 9.3561, 8.6513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1492, 19.1845, 7.5394 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(240, 10, 70)` looks like.

```
.text, #text, p{  
    color:rgb(240, 10, 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(240, 10, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 10, 70) }
```

Border

The CSS property to change the border of an element to XYZ 37.1492, 19.1845, 7.5394 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(240, 10, 70) }
```


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

```
.border{ border-color:rgb(240, 10, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 10, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 10, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 10, 70);  
box-shadow:4px 4px 4px 4px rgb(240, 10,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1492, 19.1845, 7.5394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 10, 70) }
```

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

```
.background{ background-color: rgb(240, 10,  
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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