

Converting Colors

XYZ(37.1639, 19.5586, 2.7435)

Have a look what the booklet for
XYZ(37.1639, 19.5586, 2.7435)
contains.

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Color

**XYZ(37.0803, 19.5213,
2.7333)**

Conversions

Conversions Part 1

Format	Color
Hex	F21619
RGB	242, 22, 25
RGB Percent	95%, 9%, 10%
CMY	0.0510, 0.9136, 0.9020
CMYK	0.00, 0.91, 0.90, 0.05
HSL	359°, 89%, 52%
HSV	359°, 91%, 95%
XYZ	37.0803, 19.5213, 2.7333
YIQ	88.1220, 130.1570, 47.5730

Conversions

Conversions Part 2

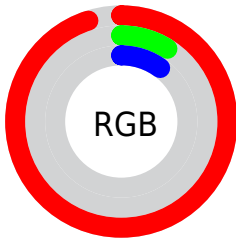
Format	Color
R_{YB}	242, 22, 25
Decimal	15865369
CIE _{Lab}	51.29, 75.30, 57.46
CIE _{LCh}	51, 94.716, 37.348
Yxy	19.5213, 0.6249, 0.3290
Android (android.graphics.Color)	4294055449 (0xFFFF21619)
YUV	88.1220, -31.1191, 134.9510
Hunter-Lab	44.1829, 72.4852, 27.2602

Details

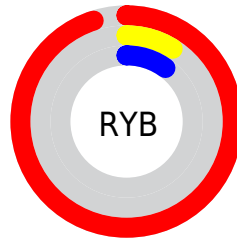
The XYZ color **37.0803, 19.5213, 2.7333** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **47.6691, 69.9089, 92.6717**, and the grayscale version is **9.3528, 9.8398, 10.7156**.

A 20% lighter version of the original color is **46.9379, 30.6781, 9.9261**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **36.6354, 18.8842, 1.8077**, and if you desaturate by 10%, it is **38.1557, 21.0704, 4.9478**.

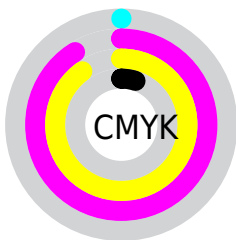
Distribution



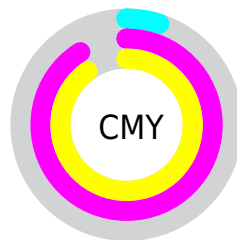
- Red (95%)
- Green (9%)
- Blue (10%)



- Red (95%)
- Yellow (9%)
- Blue (10%)



- Cyan (0%)
- Magenta (91%)
- Yellow (90%)
- Black (5%)





- Cyan (5%)
- Magenta (91%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0803, 19.5213, 2.7333 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 37.0803, 19.5213, 2.7333 by changing the saturation by 10% instead.


 37.0803, 19.5213,
2.7333


 37.0803, 19.5213,
2.7333


325.0075,
249.3117, 132.8878


 25.4436, 12.0476,
0.9601


 70.0093, 42.6131,
10.9629

 16.5384, 6.7761,
0.0000


 92.0323, 59.0000,
18.2565

 9.9992, 3.3225,
0.0000


 118.2482, 79.1267,
28.2272

 5.4607, 1.3023,
0.0000

 149.0223,
103.3777, 41.2937

 2.5575, 0.1430,
0.0000

 184.7199,
132.1373, 57.8744


 0.9244, 0.0000,
0.0000


 225.7064,


 0.0000, 0.0000,


165.7899, 78.3880


0.0000


 272.3472,
204.7199, 103.2530


 37.0803, 19.5213,
2.7333


 37.0803, 19.5213,
2.7333


 36.6354, 18.8842,
1.8077

 38.1557, 21.0704,
4.9478

 40.0295, 23.7901,
8.7418

 42.8174, 27.8525,
14.3365

 46.6156, 33.4004,
21.9177

 51.5082, 40.5584,
31.6480

■ 57.5706, 49.4381,
43.6735

■ 64.8716, 60.1410,
58.1274

■ 73.4745, 72.7609,
75.1325

■ 83.4383, 87.3851,
94.8037

Harmonies

Analogous

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



43.0509, 19.5213, 15.2688



37.0803, 19.5213, 2.7333



26.4724, 19.5213, 0.0716

Triad

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



37.0803, 19.5213, 2.7333



6.3271, 19.5213, 6.8493



20.9774, 19.5213, 125.9707

Complementary

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



37.0803, 19.5213, 2.7333



47.6691, 69.9089, 92.6717

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.



12.3973, 19.5213, 114.5809



37.0803, 19.5213, 2.7333



5.7351, 19.5213, 28.6321

Square

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



37.0803, 19.5213, 2.7333



9.5676, 19.5213, 0.9185



7.5309, 19.5213, 71.0581



31.9101, 19.5213, 95.3075

Rectangle

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



37.0803, 19.5213, 2.7333



19.4084, 19.5213, 0.0000



7.5309, 19.5213, 71.0581



17.7259, 19.5213, 127.1919

Sweetspot

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



37.0807, 19.5225, 2.7336



67.8084, 60.0322, 55.0704



51.6863, 25.2209, 86.1475



13.9415, 12.0106, 10.6538



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.



37.0807, 19.5225, 2.7336



41.2588, 21.2675, 2.0290



44.5281, 34.4657, 5.0667



15.7815, 15.7623, 16.4054



19.6850, 10.1464, 0.9919



1.6406, 0.8453, 0.0984

Inverse Universe

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



37.0807, 19.5225, 2.7336



41.2588, 21.2675, 2.0290



25.1184, 24.1014, 87.3317



15.7815, 15.7623, 16.4054



19.6850, 10.1464, 0.9919



1.6406, 0.8453, 0.0984

Previews

White Background



This preview shows how the XYZ color 37.0803, 19.5213, 2.7333 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 37.0803, 19.5213, 2.7333 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 37.0803, 19.5213, 2.7333

Background



This preview shows how black text looks on a background with the XYZ color 37.0803, 19.5213, 2.7333.



This preview shows how white text looks on a background with the XYZ color 37.0803, 19.5213,

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

37.0803, 19.5213, 2.7333

Protanopia

17.8926, 19.6815, 5.4406

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

37.0109, 19.5571, 2.1720

Trichromacy



Original Color

37.0803, 19.5213, 2.7333

Protanomaly

21.3568, 15.9095, 3.7789

Deuteranomaly

23.5601, 16.6191, 2.2245

Tritanomaly

37.0255, 19.5305, 2.3486

Monochromacy



Original Color

37.0803, 19.5213, 2.7333

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

14.2891, 9.9777, 6.1738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0803, 19.5213, 2.7333 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, 22, 25)` looks like.

```
.text, #text, p{  
  color:rgb(242, 22, 25)  
}
```

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, 22, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 22, 25) }
```

Border

The CSS property to change the border of an element to XYZ 37.0803, 19.5213, 2.7333 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, 22, 25) }
```


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

```
.border{ border-color:rgb(242, 22, 25) }
```

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

Here you see how a box with a 4 pixel rgb(242, 22, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 22, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 22, 25);  
box-shadow:4px 4px 4px 4px rgb(242, 22,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0803, 19.5213, 2.7333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 22, 25) }
```

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

```
.background{ background-color: rgb(242, 22,  
25) }
```

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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