

Converting Colors

XYZ(37.4662, 19.7355, 2.6373)

Have a look what the booklet for
XYZ(37.4662, 19.7355, 2.6373)
contains.

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Color

**XYZ(37.4037, 19.6904,
2.6398)**

Conversions

Conversions Part 1

Format	Color
Hex	F31617
RGB	243, 22, 23
RGB Percent	95%, 9%, 9%
CMY	0.0471, 0.9136, 0.9098
CMYK	0.00, 0.91, 0.91, 0.05
HSL	360°, 90%, 52%
HSV	360°, 91%, 95%
XYZ	37.4037, 19.6904, 2.6398
YIQ	88.1930, 131.3950, 47.1630

Conversions

Conversions Part 2

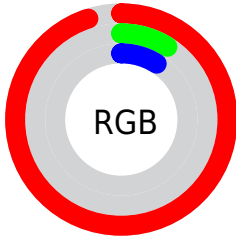
Format	Color
R_{YB}	243, 22, 23
Decimal	15930903
CIE Lab	51.49, 75.52, 58.47
CIE LCh	51, 95.509, 37.748
Yxy	19.6904, 0.6262, 0.3296
Android (android.graphics.Color)	4294120983 (0xFFFF31617)
YUV	88.1930, -32.1401, 135.7657
Hunter-Lab	44.3739, 72.8073, 27.5345

Details

The XYZ color **37.4037, 19.6904, 2.6398** 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 **48.4146, 70.6847, 95.1255**, and the grayscale version is **9.3703, 9.8582, 10.7356**.

A 20% lighter version of the original color is **46.8715, 30.6516, 9.5768**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **36.9676, 19.0568, 1.7603**, and if you desaturate by 10%, it is **38.4691, 21.2418, 4.7824**.

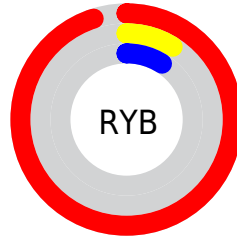
Distribution



Red (95%)

Green (9%)

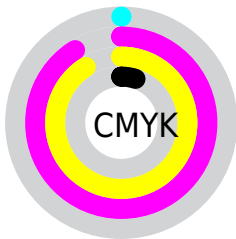
Blue (9%)



Red (95%)

Yellow (9%)

Blue (9%)

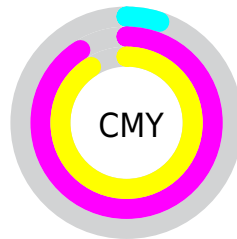


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (5%)



Cyan (5%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4037, 19.6904, 2.6398 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 37.4037, 19.6904, 2.6398 by changing the saturation by 10% instead.

 37.4037, 19.6904,
2.6398


 37.4037, 19.6904,
2.6398

326.3803,
250.2341, 131.6318

 25.6953, 12.1702,
0.9129


 70.5031, 42.8975,
10.7259

 16.7273, 6.8597,
0.0000


 92.6247, 59.3532,
17.9230


 10.1344, 3.3745,
0.0000


 118.9482, 79.5562,
27.7810

 5.5511, 1.3302,
0.0000

 149.8389,
103.8908, 40.7183

 2.6121, 0.1644,
0.0000

 185.6621,
132.7415, 57.1535


 0.9521, 0.0000,
0.0000


 226.7831,


 0.0000, 0.0000,


166.4927, 77.5051


0.0000


 273.5674,
205.5288, 102.1917


 37.4037, 19.6904,
2.6398


 37.4037, 19.6904,
2.6398


 36.9676, 19.0568,
1.7603

 38.4691, 21.2418,
4.7824

 40.3419, 23.9750,
8.5282

 43.1406, 28.0646,
14.1090

 46.9636, 33.6555,
21.7192

 51.8970, 40.8740,
31.5280

■ 58.0177, 49.8331,
43.6872

■ 65.3959, 60.6359,
58.3351

■ 74.0962, 73.3772,
75.5991

■ 84.1788, 88.1455,
95.5983

Harmonies

Analogous

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



43.5689, 19.6904, 15.0807



37.4037, 19.6904, 2.6398



26.6001, 19.6904, 0.0260

Triad

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



37.4037, 19.6904, 2.6398



6.3130, 19.6904, 7.0172



21.3119, 19.6904, 127.8388

Complementary

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



37.4037, 19.6904, 2.6398



48.4146, 70.6847, 95.1255

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.



12.5661, 19.6904, 116.8264



37.4037, 19.6904, 2.6398



5.7470, 19.6904, 29.3734

Square

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



37.4037, 19.6904, 2.6398



9.5461, 19.6904, 0.9262



7.5954, 19.6904, 72.7220



32.4210, 19.6904, 96.1439

Rectangle

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



37.4037, 19.6904, 2.6398



19.4491, 19.6904, 0.0000



7.5954, 19.6904, 72.7220



17.9999, 19.6904, 129.2949

Sweetspot

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



37.4041, 19.6917, 2.6401



67.7413, 60.0054, 54.7173



52.1687, 25.4521, 86.9564



13.9263, 12.0045, 10.5737



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.



37.4041, 19.6917, 2.6401



41.2461, 21.2624, 1.9620



44.9357, 34.7699, 5.1039



16.5021, 16.4837, 17.1247



20.2906, 10.4597, 0.9728



1.7844, 0.9197, 0.0908

Inverse Universe

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



37.4041, 19.6917, 2.6401



41.2461, 21.2624, 1.9620



25.3418, 24.3071, 88.1494



16.5021, 16.4837, 17.1247



20.2906, 10.4597, 0.9728



1.7844, 0.9197, 0.0908

Previews

White Background



This preview shows how the XYZ color 37.4037, 19.6904, 2.6398 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 37.4037, 19.6904, 2.6398 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 37.4037, 19.6904, 2.6398

Background



This preview shows how black text looks on a background with the XYZ color 37.4037, 19.6904, 2.6398.



This preview shows how white text looks on a background with the XYZ color 37.4037, 19.6904,

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

37.4037, 19.6904, 2.6398

Protanopia

18.1435, 20.0004, 5.2871

Deuteranopia

20.0716, 19.7905, 2.7621



Tritanopia

37.3349, 19.6940, 2.1814

Trichromacy



Original Color

37.4037, 19.6904, 2.6398

Protanomaly

21.6311, 16.1739, 3.6508

Deuteranomaly

23.8002, 16.7435, 2.2071

Tritanomaly

37.3621, 19.7049, 2.3244

Monochromacy



Original Color

37.4037, 19.6904, 2.6398

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

14.2604, 9.9662, 6.0226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4037, 19.6904, 2.6398 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, 22, 23)` looks like.

```
.text, #text, p{  
    color:rgb(243, 22, 23)  
}
```

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, 22, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 22, 23) }
```

Border

The CSS property to change the border of an element to XYZ 37.4037, 19.6904, 2.6398 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, 22, 23) }
```


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

```
.border{ border-color:rgb(243, 22, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 22, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 22, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 22, 23);  
box-shadow:4px 4px 4px 4px rgb(243, 22,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4037, 19.6904, 2.6398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 22, 23) }
```

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

```
.background{ background-color: rgb(243, 22,  
23) }
```

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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