

Converting Colors

XYZ(37.2134, 19.3927, 2.1206)

Have a look what the booklet for
XYZ(37.2134, 19.3927, 2.1206)
contains.

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Color

**XYZ(37.1724, 19.3691,
2.1272)**

Conversions

Conversions Part 1

Format	Color
Hex	F30D0C
RGB	243, 13, 12
RGB Percent	95%, 5%, 5%
CMY	0.0471, 0.9488, 0.9529
CMYK	0.00, 0.95, 0.95, 0.05
HSL	0°, 91%, 50%
HSV	0°, 95%, 95%
XYZ	37.1724, 19.3691, 2.1272
YIQ	81.6560, 137.4010, 48.4490

Conversions

Conversions Part 2

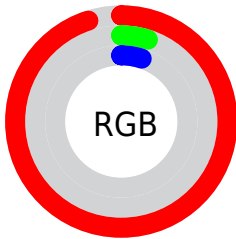
Format	Color
R_{YB}	243, 13, 12
Decimal	15928588
CIE Lab	51.12, 76.35, 61.85
CIE LCh	51, 98.263, 39.010
Yxy	19.3691, 0.6336, 0.3301
Android (android.graphics.Color)	4294118668 (0xFFFF30D0C)
YUV	81.6560, -34.3404, 141.4987
Hunter-Lab	44.0103, 73.7481, 27.9415

Details

The XYZ color **37.1724, 19.3691, 2.1272** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **48.0642, 70.0192, 95.7750**, and the grayscale version is **8.0046, 8.4214, 9.1709**.

A 20% lighter version of the original color is **46.4401, 30.1796, 8.2281**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **36.9739, 19.0786, 1.7338**, and if you desaturate by 10%, it is **37.9541, 20.5222, 3.6540**.

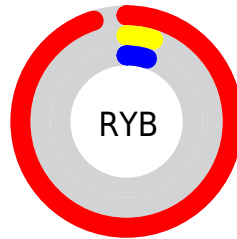
Distribution



Red (95%)

Green (5%)

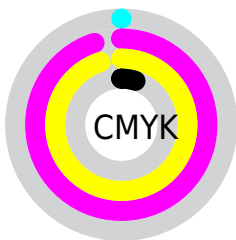
Blue (5%)



Red (95%)

Yellow (5%)

Blue (5%)

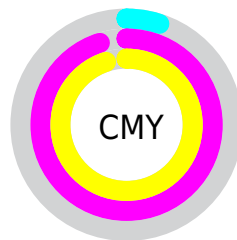


Cyan (0%)

Magenta (95%)

Yellow (95%)

Black (5%)



Cyan (5%)


Magenta (95%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1724, 19.3691, 2.1272 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 37.1724, 19.3691, 2.1272 by changing the saturation by 10% instead.


 37.1724, 19.3691,
2.1272

 37.1724, 19.3691,
2.1272


325.3989,
248.4789, 124.3217

 25.5153, 11.9373,
0.6319


 70.1500, 42.3569,
9.3857


 16.5921, 6.7010,
0.0000


 92.2011, 58.6816,
16.0228


 10.0376, 3.2758,
0.0000


 118.4477, 78.7394,
25.2230

 5.4864, 1.2774,
0.0000

 149.2550,
102.9148, 37.4050

 2.5730, 0.1236,
0.0000

 184.9884,
131.5920, 52.9874


 0.9322, 0.0000,
0.0000


 226.0133,


 0.0000, 0.0000,


165.1555, 72.3886


0.0000


 272.6950,
203.9897, 96.0272


 37.1724, 19.3691,
2.1272

 37.1724, 19.3691,
2.1272


 36.9739, 19.0786,
1.7338

 37.9541, 20.5222,
3.6540

 39.4854, 22.7712,
6.6728

 41.8953, 26.3043,
11.4426

 45.2885, 31.2742,
18.1740

 49.7552, 37.8121,
27.0478

■ 55.3753, 46.0345,
38.2243

■ 62.2210, 56.0469,
51.8486

■ 70.3590, 67.9462,
68.0538

■ 79.8507, 81.8221,
86.9635

Harmonies

Analogous

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



43.8485, 19.3691, 13.7454



37.1724, 19.3691, 2.1272



25.9804, 19.3691, 0.0000

Triad

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



37.1724, 19.3691, 2.1272



5.8623, 19.3691, 7.1050



21.5065, 19.3691, 131.0970

Complementary

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



37.1724, 19.3691, 2.1272



48.0642, 70.0192, 95.7750

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.



12.4744, 19.3691, 121.5276



37.1724, 19.3691, 2.1272



5.4023, 19.3691, 30.6716

Square

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



37.1724, 19.3691, 2.1272



8.9463, 19.3691, 0.8234



7.3417, 19.3691, 76.2037



32.9225, 19.3691, 96.4414

Rectangle

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



37.1724, 19.3691, 2.1272



18.7359, 19.3691, 0.0000



7.3417, 19.3691, 76.2037



18.0874, 19.3691, 133.3233

Sweetspot

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



37.1728, 19.3703, 2.1275



66.1885, 57.8041, 51.4118



53.2708, 25.7885, 86.9632



13.4829, 11.3717, 9.6427



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.



37.1728, 19.3703, 2.1275



41.2527, 21.2853, 1.9342



44.6822, 34.3892, 4.6306



16.5053, 16.4946, 17.1114



20.2954, 10.4764, 0.9525



1.7859, 0.9250, 0.0844

Inverse Universe

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



48.0642, 70.0192, 95.7750



53.4391, 77.9982, 106.8464



23.9832, 21.8573, 87.7480



16.9899, 18.7441, 21.2651



26.2904, 38.3746, 52.5594



2.3127, 3.3769, 4.6201

Previews

White Background



This preview shows how the XYZ color 37.1724, 19.3691, 2.1272 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 37.1724, 19.3691, 2.1272 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 37.1724, 19.3691, 2.1272

Background



This preview shows how black text looks on a background with the XYZ color 37.1724, 19.3691, 2.1272.



This preview shows how white text looks on a background with the XYZ color 37.1724, 19.3691,

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

37.1724, 19.3691, 2.1272

Protanopia

17.8676, 19.6905, 4.4490

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

36.9049, 19.4511, 1.8093

Trichromacy



Original Color

37.1724, 19.3691, 2.1272

Protanomaly

21.1956, 15.4958, 2.9108

Deuteranomaly

23.3114, 16.1655, 2.0065

Tritanomaly

36.8727, 19.3518, 1.9067

Monochromacy



Original Color

37.1724, 19.3691, 2.1272

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

13.1862, 8.8844, 4.8908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1724, 19.3691, 2.1272 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, 13, 12)` looks like.

```
.text, #text, p{  
    color:rgb(243, 13, 12)  
}
```

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, 13, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 13, 12) }
```

Border

The CSS property to change the border of an element to XYZ 37.1724, 19.3691, 2.1272 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, 13, 12) }
```


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

```
.border{ border-color:rgb(243, 13, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 13, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 13, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 13, 12);  
box-shadow:4px 4px 4px 4px rgb(243, 13,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1724, 19.3691, 2.1272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 13, 12) }
```

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

```
.background{ background-color: rgb(243, 13,  
12) }
```

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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