

Converting Colors

XYZ(18.7870, 11.0735, 3.7217)

Have a look what the booklet for
XYZ(18.7870, 11.0735, 3.7217)
contains.

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Color

**XYZ(18.7037, 11.0355,
3.7290)**

Conversions

Conversions Part 1

Format	Color
Hex	AD2E2E
RGB	173, 46, 46
RGB Percent	68%, 18%, 18%
CMY	0.3216, 0.8196, 0.8196
CMYK	0.00, 0.73, 0.73, 0.32
HSL	0°, 58%, 43%
HSV	0°, 73%, 68%
XYZ	18.7037, 11.0355, 3.7290
YIQ	83.9730, 75.6920, 26.9240

Conversions

Conversions Part 2

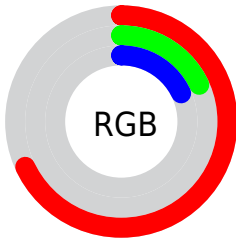
Format	Color
RYB	173, 46, 46
Decimal	11349550
CIELab	39.64, 51.00, 30.98
CIElCh	40, 59.671, 31.280
Yxy	11.0355, 0.5588, 0.3297
Android (android.graphics.Color)	4289539630 (0xFFAD2E2E)
YUV	83.9730, -18.7207, 78.0767
Hunter-Lab	33.2197, 42.3663, 16.5983

Details

The XYZ color **18.7037, 11.0355, 3.7290** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.6111, 33.4813, 44.7529**, and the grayscale version is **8.4485, 8.8885, 9.6795**.

A 20% lighter version of the original color is **40.8464, 27.7422, 13.3272**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **17.8838, 9.8360, 2.0990**, and if you desaturate by 10%, it is **19.9337, 12.8357, 6.1736**.

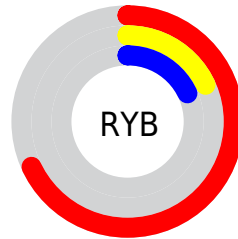
Distribution



Red (68%)

Green (18%)

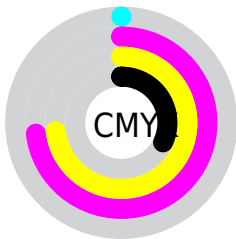
Blue (18%)



Red (68%)

Yellow (18%)

Blue (18%)

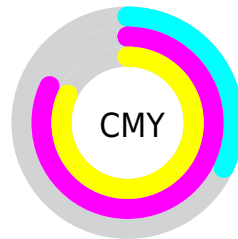


Cyan (0%)

Magenta (73%)

Yellow (73%)

Black (32%)



Cyan (32%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7037, 11.0355, 3.7290 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 18.7037, 11.0355, 3.7290 by changing the saturation by 10% instead.


 18.7037, 11.0355,
3.7290


 18.7037, 11.0355,
3.7290


237.7777,
197.9109, 145.1638


 11.5591, 6.0907,
1.4779


 40.7536, 27.7258,
13.3798


 6.5143, 2.9003,
0.2014

 56.3896, 40.2401,
21.6165


 3.2038, 1.0799,
0.0000

 75.5867, 56.0464,
32.6855

 1.2625, 0.0000,
0.0000

 98.7104, 75.5290,
47.0054

 0.1548, 0.0000,
0.0000

 126.1260, 99.0724,
64.9946

 0.0000, 0.0000,
0.0000

 158.1989,

127.0609, 87.0717

195.2943,
159.8789, 113.6553

■ 18.7037, 11.0355,
3.7290

■ 18.7037, 11.0355,
3.7290

■ 17.8838, 9.8360,
2.0990

■ 19.9337, 12.8357,
6.1736

■ 17.4206, 9.1582,
1.1784

■ 21.6170, 15.2989,
9.5198

■ 17.2336, 8.8844,
0.8066

■ 23.7922, 18.4818,
13.8439

■ 26.4935, 22.4347,
19.2140

■ 29.7522, 27.2031,
25.6922

■ 33.5970, 32.8291,
33.3356

■ 38.0548, 39.3520,
42.1976

■ 43.1506, 46.8085,
52.3280

■ 48.9082, 55.2334,
63.7742

Harmonies

Analogous

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



20.4245, 11.0355, 11.5220



18.7037, 11.0355, 3.7290



14.7188, 11.0355, 1.1282

Triad

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



18.7037, 11.0355, 3.7290



5.0121, 11.0355, 4.1409



10.6647, 11.0355, 51.2619

Complementary

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



18.7037, 11.0355, 3.7290



23.6111, 33.4813, 44.7529

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.



7.1586, 11.0355, 44.3562



18.7037, 11.0355, 3.7290



4.4473, 11.0355, 12.5235

Square

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



18.7037, 11.0355, 3.7290



6.9264, 11.0355, 1.2348



5.1197, 11.0355, 27.8223



15.1017, 11.0355, 43.1709

Rectangle

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



18.7037, 11.0355, 3.7290



11.7212, 11.0355, 0.6547



5.1197, 11.0355, 27.8223



9.3461, 11.0355, 50.5977

Sweetspot

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



18.7039, 11.0362, 3.7292



53.9425, 49.6815, 47.3203



25.7532, 13.8553, 40.8518



11.3655, 10.2740, 9.5733



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.7039, 11.0362, 3.7292



31.4522, 16.7713, 2.6120



23.2487, 20.1256, 5.2441



8.0053, 8.0154, 8.3386



12.6608, 6.5270, 0.5925



0.3522, 0.1816, 0.0165

Inverse Universe

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



23.6111, 33.4813, 44.7529



40.7183, 59.1543, 80.0776



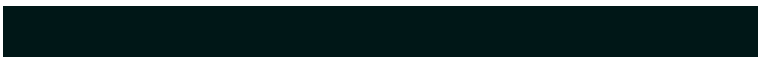
14.1916, 14.6422, 41.6131



8.2363, 9.0720, 10.2697



16.5179, 24.1696, 32.8391



0.4595, 0.6724, 0.9136

Previews

White Background



This preview shows how the XYZ color 18.7037, 11.0355, 3.7290 looks on a white 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

Black Background



This preview shows how the XYZ color 18.7037, 11.0355, 3.7290 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7037, 11.0355, 3.7290

Background



This preview shows how black text looks on a background with the XYZ color 18.7037, 11.0355, 3.7290.



This preview shows how white text looks on a background with the XYZ color 18.7037, 11.0355,

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

18.7037, 11.0355, 3.7290

Protanopia

10.4657, 11.2368, 6.1747

Deuteranopia

11.3421, 11.2342, 3.4043



Tritanopia

18.7237, 11.0435, 3.8341

Trichromacy



Original Color

18.7037, 11.0355, 3.7290

Protanomaly

12.2698, 10.1825, 5.0601

Deuteranomaly

13.1655, 10.3760, 3.4067

Tritanomaly

18.7237, 11.0435, 3.8341

Monochromacy



Original Color

18.7037, 11.0355, 3.7290

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.4981, 8.5355, 6.8886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7037, 11.0355, 3.7290 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(173, 46, 46)` looks like.

```
.text, #text, p{  
    color:rgb(173, 46, 46)  
}
```

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(173, 46, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 46, 46) }
```

Border

The CSS property to change the border of an element to XYZ 18.7037, 11.0355, 3.7290 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(173, 46, 46) }
```


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

```
.border{ border-color:rgb(173, 46, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 46, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 46, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 46, 46);  
box-shadow:4px 4px 4px 4px rgb(173, 46,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7037, 11.0355, 3.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 46, 46) }
```

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

```
.background{ background-color: rgb(173, 46,  
46) }
```

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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