

Converting Colors

XYZ(18.8144, 11.4366, 2.7812)

Have a look what the booklet for
XYZ(18.8144, 11.4366, 2.7812)
contains.

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Color

**XYZ(18.7208, 11.3732,
2.7987)**

Conversions

Conversions Part 1

Format	Color
Hex	AD3323
RGB	173, 51, 35
RGB Percent	68%, 20%, 14%
CMY	0.3216, 0.8000, 0.8627
CMYK	0.00, 0.71, 0.80, 0.32
HSL	7°, 66%, 41%
HSV	7°, 80%, 68%
XYZ	18.7208, 11.3732, 2.7987
YIQ	85.6540, 77.8480, 20.8880

Conversions

Conversions Part 2

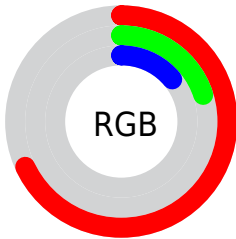
Format	Color
RYB	173, 53, 35
Decimal	11350819
CIELab	40.20, 48.66, 37.88
CIElCh	40, 61.667, 37.894
Yxy	11.3732, 0.5691, 0.3458
Android (android.graphics.Color)	4289540899 (0xFFAD3323)
YUV	85.6540, -24.9724, 76.6024
Hunter-Lab	33.7242, 40.0707, 18.6866

Details

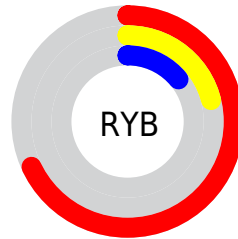
The XYZ color **18.7208, 11.3732, 2.7987** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **20.2918, 27.4861, 43.7708**, and the grayscale version is **8.8123, 9.2712, 10.0964**.

A 20% lighter version of the original color is **40.7977, 28.3594, 11.1082**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **17.9625, 10.1714, 1.5761**, and if you desaturate by 10%, it is **19.8260, 13.0665, 4.7616**.

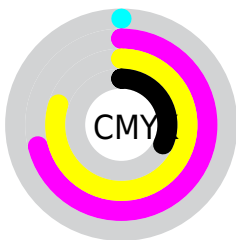
Distribution



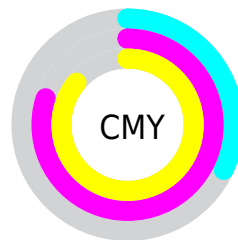
- Red (68%)
- Green (20%)
- Blue (14%)



- Red (68%)
- Yellow (21%)
- Blue (14%)



- Cyan (0%)
- Magenta (71%)
- Yellow (80%)
- Black (32%)



- Cyan (32%)
- Magenta (80%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7208, 11.3732, 2.7987 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 18.7208, 11.3732, 2.7987 by changing the saturation by 10% instead.

■ 18.7208, 11.3732,
2.7987

■ 18.7208, 11.3732,
2.7987

237.8709,
200.2103, 133.7540

■ 11.5715, 6.3184,
0.9928

■ 40.7823, 28.3482,
11.1275

■ 6.5227, 3.0397,
0.0000

■ 56.4253, 41.0373,
18.4876

■ 3.2091, 1.1525,
0.0000

■ 75.6301, 57.0399,
28.5360

■ 1.2653, 0.0224,
0.0000

■ 98.7623, 76.7405,
41.6915

■ 0.1570, 0.0000,
0.0000

■ 126.1871,
100.5235, 58.3725

■ 0.0000, 0.0000,
0.0000

■ 158.2699,

128.7732, 78.9975

195.3760,
161.8740, 103.9852

18.7208, 11.3732,
2.7987

18.7208, 11.3732,
2.7987

17.9625, 10.1714,
1.5761

19.8260, 13.0665,
4.7616

17.4933, 9.4004,
0.9040

21.3132, 15.2950,
7.5575

17.4848, 9.3868,
0.8903

23.2141, 18.0993,
11.2657

25.5566, 21.5161,
15.9564

28.3663, 25.5786,
21.6928

■ 31.6668, 30.3177,
28.5328

■ 35.4801, 35.7625,
36.5302

■ 39.8268, 41.9401,
45.7350

■ 44.7265, 48.8765,
56.1946

Harmonies

Analogous

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



21.2220, 11.3732, 9.4119



18.7208, 11.3732, 2.7987



14.2236, 11.3732, 0.8516

Triad

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



18.7208, 11.3732, 2.7987



4.8235, 11.3732, 5.4470



11.9838, 11.3732, 53.6658

Complementary

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



18.7208, 11.3732, 2.7987



20.2918, 27.4861, 43.7708

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.



7.9914, 11.3732, 49.7415



18.7208, 11.3732, 2.7987



4.5214, 11.3732, 15.9227

Square

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



18.7208, 11.3732, 2.7987



6.4909, 11.3732, 1.5275



5.5163, 11.3732, 33.3203



16.7144, 11.3732, 41.9793

Rectangle

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



18.7208, 11.3732, 2.7987



11.1161, 11.3732, 0.5375



5.5163, 11.3732, 33.3203



10.5094, 11.3732, 54.2208

Sweetspot

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



18.7211, 11.3739, 2.7989



53.8527, 50.1959, 45.1510



24.1099, 12.5965, 34.0525



11.2698, 10.2855, 8.9154



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.



18.7211, 11.3739, 2.7989



31.4847, 17.0729, 1.8937



23.9918, 21.9154, 4.5558



8.0773, 8.1594, 8.3626



12.8682, 6.9418, 0.6617



0.3811, 0.2394, 0.0261

Inverse Universe

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



20.2918, 27.4861, 43.7708



34.1398, 46.4987, 77.9815



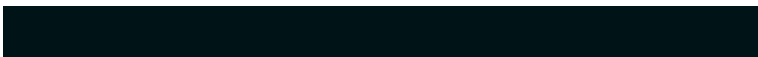
11.9091, 10.7207, 40.9766



8.1558, 8.9111, 10.2428



13.9288, 18.9914, 31.9761



0.4094, 0.5722, 0.8969

Previews

White Background



This preview shows how the XYZ color 18.7208, 11.3732, 2.7987 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 18.7208, 11.3732, 2.7987 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 18.7208, 11.3732, 2.7987

Background



This preview shows how black text looks on a background with the XYZ color 18.7208, 11.3732, 2.7987.



This preview shows how white text looks on a background with the XYZ color 18.7208, 11.3732,

2.7987.

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

18.7208, 11.3732, 2.7987

Protanopia

10.6602, 11.6433, 4.4818

Deuteranopia

11.6517, 11.5412, 2.4777



Tritanopia

18.9294, 11.3199, 4.3192

Trichromacy



Original Color

18.7208, 11.3732, 2.7987

Protanomaly

12.5106, 10.6576, 3.6832

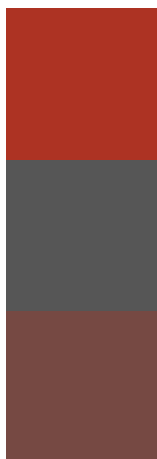
Deuteranomaly

13.4415, 10.7417, 2.4635

Tritanomaly

18.8478, 11.3549, 3.6809

Monochromacy



Original Color

18.7208, 11.3732, 2.7987

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.8669, 9.0219, 6.4788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7208, 11.3732, 2.7987 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, 51, 35)` looks like.

```
.text, #text, p{  
    color:rgb(173, 51, 35)  
}
```

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, 51, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 51, 35) }
```

Border

The CSS property to change the border of an element to XYZ 18.7208, 11.3732, 2.7987 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, 51, 35) }
```


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

```
.border{ border-color:rgb(173, 51, 35) }
```

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

Here you see how a box with a 4 pixel rgb(173, 51, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 51, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 51, 35);  
box-shadow:4px 4px 4px 4px rgb(173, 51,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7208, 11.3732, 2.7987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 51, 35) }
```

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

```
.background{ background-color: rgb(173, 51,  
35) }
```

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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