

Converting Colors

XYZ(18.9148, 11.0255, 2.9650)

Have a look what the booklet for
XYZ(18.9148, 11.0255, 2.9650)
contains.

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Color

**XYZ(18.9297, 11.0553,
2.9699)**

Conversions

Conversions Part 1

Format	Color
Hex	AF2C26
RGB	175, 44, 38
RGB Percent	69%, 17%, 15%
CMY	0.3137, 0.8274, 0.8510
CMYK	0.00, 0.75, 0.78, 0.31
HSL	3°, 64%, 42%
HSV	3°, 78%, 69%
XYZ	18.9297, 11.0553, 2.9699
YIQ	82.4850, 80.0020, 25.9060

Conversions

Conversions Part 2

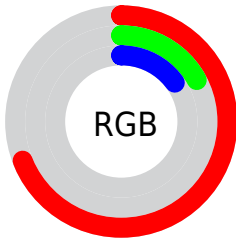
Format	Color
RYB	175, 44, 38
Decimal	11480102
CIELab	39.67, 52.02, 35.78
CIELCh	40, 63.140, 34.524
Yxy	11.0553, 0.5744, 0.3355
Android (android.graphics.Color)	4289670182 (0xFFAF2C26)
YUV	82.4850, -21.9311, 81.1357
Hunter-Lab	33.2495, 43.4374, 17.9788

Details

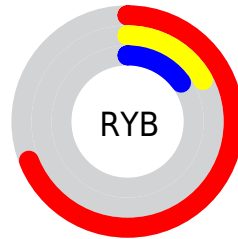
The XYZ color **18.9297, 11.0553, 2.9699** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.7231, 31.8791, 45.5126**, and the grayscale version is **8.1501, 8.5745, 9.3376**.

A 20% lighter version of the original color is **41.0825, 27.7590, 11.5802**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.2081, 9.9629, 1.6488**, and if you desaturate by 10%, it is **20.0357, 12.7046, 5.0739**.

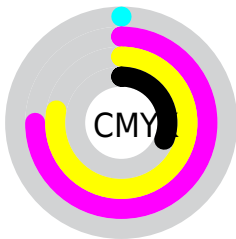
Distribution



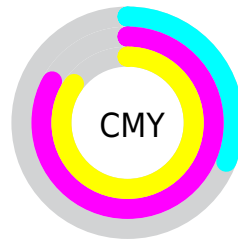
- Red (69%)
- Green (17%)
- Blue (15%)



- Red (69%)
- Yellow (17%)
- Blue (15%)



- Cyan (0%)
- Magenta (75%)
- Yellow (78%)
- Black (31%)





- Cyan (31%)
- Magenta (83%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9297, 11.0553, 2.9699 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 18.9297, 11.0553, 2.9699 by changing the saturation by 10% instead.


 18.9297, 11.0553,
2.9699


 18.9297, 11.0553,
2.9699


239.0060,
198.0466, 135.9763


 11.7232, 6.1040,
1.0793


 41.1331, 27.7624,
11.5541


 6.6263, 2.9084,
0.0000


 56.8606, 40.2870,
19.0847


 3.2738, 1.0841,
0.0000

 76.1593, 56.1048,
29.3324

 1.3001, 0.0000,
0.0000

 99.3943, 75.6003,
42.7158

 0.1833, 0.0000,
0.0000

 126.9312, 99.1579,
59.6533

 0.0000, 0.0000,
0.0000

 159.1352,

127.1618, 80.5636

196.3716,
159.9966, 105.8651

18.9297, 11.0553,
2.9699

18.9297, 11.0553,
2.9699

18.2081, 9.9629,
1.6488

20.0357, 12.7046,
5.0739

17.8100, 9.3495,
0.9521

21.5689, 14.9694,
8.0560

17.7623, 9.2805,
0.8551

23.5670, 17.9029,
11.9984

26.0636, 21.5522,
16.9737

29.0891, 25.9602,
23.0476

■ 32.6715, 31.1661,
30.2803

■ 36.8367, 37.2068,
38.7276

■ 41.6091, 44.1166,
48.4417

■ 47.0117, 51.9280,
59.4719

Harmonies

Analogous

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



21.1346, 11.0553, 10.2592



18.9297, 11.0553, 2.9699



14.4944, 11.0553, 0.7971

Triad

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



18.9297, 11.0553, 2.9699



4.6577, 11.0553, 4.4381



11.1756, 11.0553, 54.6397

Complementary

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



18.9297, 11.0553, 2.9699



22.7231, 31.8791, 45.5126

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.



7.3286, 11.0553, 48.7368



18.9297, 11.0553, 2.9699



4.2185, 11.0553, 14.0099

Square

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



18.9297, 11.0553, 2.9699



6.4731, 11.0553, 1.1569



5.0485, 11.0553, 31.1427



15.9443, 11.0553, 44.1305

Rectangle

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



18.9297, 11.0553, 2.9699



11.3193, 11.0553, 0.3880



5.0485, 11.0553, 31.1427



9.7359, 11.0553, 54.5454

Sweetspot

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



18.9299, 11.0560, 2.9701



55.1066, 50.8688, 47.3438



25.6688, 13.4188, 39.4823



11.7567, 10.5918, 9.5317



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.9299, 11.0560, 2.9701



32.0454, 16.9653, 1.9876



23.7206, 20.6372, 4.5669



8.0324, 8.0696, 8.3476



12.7323, 6.6701, 0.6164



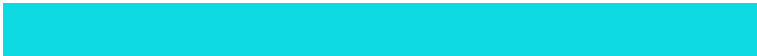
0.3631, 0.2034, 0.0201

Inverse Universe

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



22.7231, 31.8791, 45.5126



38.9990, 55.5646, 81.3065



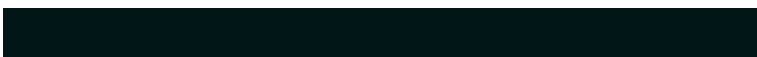
13.2819, 12.9968, 42.3656



8.2058, 9.0109, 10.2595



15.4919, 22.1176, 32.4971



0.4400, 0.6333, 0.9070

Previews

White Background



This preview shows how the XYZ color 18.9297, 11.0553, 2.9699 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 18.9297, 11.0553, 2.9699 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 18.9297, 11.0553, 2.9699

Background



This preview shows how black text looks on a background with the XYZ color 18.9297, 11.0553, 2.9699.



This preview shows how white text looks on a background with the XYZ color 18.9297, 11.0553,

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

18.9297, 11.0553, 2.9699

Protanopia

10.4437, 11.3845, 5.0151

Deuteranopia

11.4735, 11.3181, 2.6785



Tritanopia

18.9977, 11.0236, 3.5093

Trichromacy



Original Color

18.9297, 11.0553, 2.9699

Protanomaly

12.3239, 10.1281, 4.1017

Deuteranomaly

13.2907, 10.3583, 2.6654

Tritanomaly

18.9610, 11.0089, 3.3161

Monochromacy



Original Color

18.9297, 11.0553, 2.9699

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.2530, 8.2406, 6.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9297, 11.0553, 2.9699 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(175, 44, 38)` looks like.

```
.text, #text, p{  
    color:rgb(175, 44, 38)  
}
```

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(175, 44, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 44, 38) }
```

Border

The CSS property to change the border of an element to XYZ 18.9297, 11.0553, 2.9699 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(175, 44, 38) }
```


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

```
.border{ border-color:rgb(175, 44, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 44, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 44, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 44, 38);  
box-shadow:4px 4px 4px 4px rgb(175, 44,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9297, 11.0553, 2.9699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 44, 38) }
```

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

```
.background{ background-color: rgb(175, 44,  
38) }
```

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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