

Converting Colors

XYZ(18.2368, 11.5908, 1.2761)

Have a look what the booklet for
XYZ(18.2368, 11.5908, 1.2761)
contains.

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Color

**XYZ(18.2577, 11.5842,
1.2737)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3900
RGB	171, 57, 0
RGB Percent	67%, 22%, 0%
CMY	0.3294, 0.7764, 1.0000
CMYK	0.00, 0.67, 1.00, 0.33
HSL	20°, 100%, 34%
HSV	20°, 100%, 67%
XYZ	18.2577, 11.5842, 1.2737
YIQ	84.5880, 86.2410, 6.4410

Conversions

Conversions Part 2

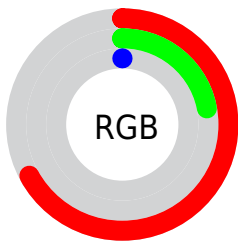
Format	Color
R_{YB}	171, 86, 0
Decimal	11221248
CIE Lab	40.55, 44.76, 52.09
CIE LCh	41, 68.680, 49.333
Yxy	11.5842, 0.5868, 0.3723
Android (android.graphics.Color)	4289411328 (0xFFAB3900)
YUV	84.5880, -41.7019, 75.7833
Hunter-Lab	34.0356, 36.1905, 21.6061

Details

The XYZ color **18.2577, 11.5842, 1.2737** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.3673, 14.9735, 40.7133**, and the grayscale version is **8.6209, 9.0698, 9.8770**.

A 20% lighter version of the original color is **40.0662, 28.6960, 6.9172**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **18.2578, 11.5847, 1.2738**, and if you desaturate by 10%, it is **18.9882, 12.8823, 2.0203**.

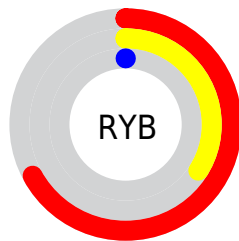
Distribution



Red (67%)

Green (22%)

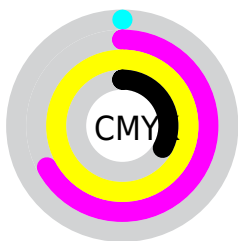
Blue (0%)



Red (67%)

Yellow (34%)

Blue (0%)

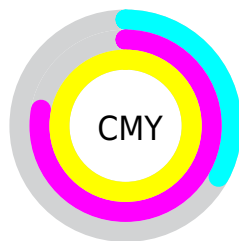


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2577, 11.5842, 1.2737 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 18.2577, 11.5842, 1.2737 by changing the saturation by 10% instead.


 18.2577, 11.5842,
1.2737


 18.2577, 11.5842,
1.2737


 235.3372,
201.6328, 109.8223

 11.2360, 6.4612,
0.0401


 40.0026, 28.7355,
6.9382


 6.2942, 3.1275,
0.0000


 55.4565, 41.5326,
12.4700

 3.0672, 1.1987,
0.0000

 74.4518, 57.6566,
20.3595

 1.1894, 0.0606,
0.0000

 97.3539, 77.4918,
31.0253

 0.0980, 0.0000,
0.0000


 124.5281,
101.4226, 44.8860


 0.0000, 0.0000,
0.0000


 156.3398,


129.8335, 62.3600


 193.1544,
163.1087, 83.8659


 18.2577, 11.5842,
1.2737


 18.2577, 11.5842,
1.2737


 18.2578, 11.5847,
1.2738

 18.9882, 12.8823,
2.0203

 19.9406, 14.4835,
3.2733

 21.1574, 16.4169,
5.2207

 22.6612, 18.7022,
7.9489

 24.4719, 21.3574,
11.5319

■ 26.6075, 24.3988,
16.0346

■ 29.0842, 27.8420,
21.5158

■ 31.9172, 31.7016,
28.0293

■ 35.1208, 35.9914,
35.6250

Harmonies

Analogous

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



22.3353, 11.5842, 5.6866



18.2577, 11.5842, 1.2737



12.8247, 11.5842, 0.1689

Triad

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



18.2577, 11.5842, 1.2737



4.1628, 11.5842, 8.2946



14.3881, 11.5842, 58.1904

Complementary

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



18.2577, 11.5842, 1.2737



13.3673, 14.9735, 40.7133

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.



9.3759, 11.5842, 61.1275



18.2577, 11.5842, 1.2737



4.3560, 11.5842, 23.6558

Square

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



18.2577, 11.5842, 1.2737



5.3520, 11.5842, 1.9965



5.9907, 11.5842, 45.5597



19.6867, 11.5842, 39.1784

Rectangle

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



18.2577, 11.5842, 1.2737



9.5690, 11.5842, 0.1495



5.9907, 11.5842, 45.5597



12.5899, 11.5842, 61.4367

Sweetspot

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



18.2579, 11.5849, 1.2739



51.8371, 49.5176, 37.9661



19.8317, 9.8728, 16.7801



11.1411, 10.4634, 7.5305



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.



18.2579, 11.5849, 1.2739



32.5243, 20.3979, 2.2230



26.5420, 28.1529, 4.0352



8.2153, 8.4353, 8.4086



13.8079, 8.8213, 0.9749



0.4352, 0.3477, 0.0442

Inverse Universe

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



13.3673, 14.9735, 40.7133



23.7376, 26.4117, 72.8487



7.7779, 3.7948, 38.8502



8.0080, 8.6153, 10.1936



10.1268, 11.3874, 30.7088



0.3292, 0.4118, 0.8701

Previews

White Background



This preview shows how the XYZ color 18.2577, 11.5842, 1.2737 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



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 18.2577, 11.5842, 1.2737

Background



This preview shows how black text looks on a background with the XYZ color 18.2577, 11.5842, 1.2737.



This preview shows how white text looks on a background with the XYZ color 18.2577, 11.5842,

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

18.2577, 11.5842, 1.2737

Protanopia

10.6906, 11.8443, 2.2950

Deuteranopia

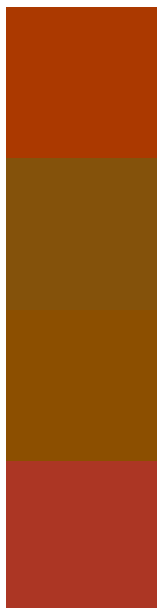
11.8532, 11.7919, 1.6513



Tritanopia

19.0002, 11.6024, 4.9794

Trichromacy



Original Color

18.2577, 11.5842, 1.2737

Protanomaly

12.5934, 10.9643, 1.7692

Deuteranomaly

13.6112, 11.1674, 1.4381

Tritanomaly

18.6509, 11.5364, 2.9128

Monochromacy



Original Color

18.2577, 11.5842, 1.2737

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.3844, 9.0115, 4.6821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2577, 11.5842, 1.2737 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(171, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 57, 0)  
}
```

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(171, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 57, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.2577, 11.5842, 1.2737 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(171, 57, 0) }
```


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

```
.border{ border-color:rgb(171, 57, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 57, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2577, 11.5842, 1.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 57, 0) }
```

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

```
.background{ background-color: rgb(171, 57,  
0) }
```

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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