

Converting Colors

XYZ(17.8255, 15.4273, 2.0383)

Have a look what the booklet for
XYZ(17.8255, 15.4273, 2.0383)
contains.

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Color

**XYZ(17.8932, 15.4337,
2.0359)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6000
RGB	156, 96, 0
RGB Percent	61%, 38%, 0%
CMY	0.3882, 0.6235, 1.0000
CMYK	0.00, 0.38, 1.00, 0.39
HSL	37°, 100%, 31%
HSV	37°, 100%, 61%
XYZ	17.8932, 15.4337, 2.0359
YIQ	102.9960, 66.5760, -17.1360

Conversions

Conversions Part 2

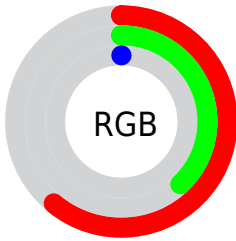
Format	Color
RYB	98, 156, 0
Decimal	10248192
CIELab	46.22, 18.36, 54.20
CIElCh	46, 57.223, 71.283
Yxy	15.4337, 0.5060, 0.4364
Android (android.graphics.Color)	4288438272 (0xFF9C6000)
YUV	102.9960, -50.7770, 46.4845
Hunter-Lab	39.2857, 12.5501, 24.4274

Details

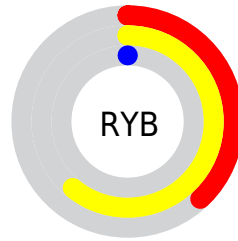
The XYZ color **17.8932, 15.4337, 2.0359** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.6165, 5.6319, 32.1379**, and the grayscale version is **13.0094, 13.6869, 14.9051**.

A 20% lighter version of the original color is **39.5682, 35.7926, 9.0982**, and **6.2439, 4.8493, 0.6069** is the 20% darker color. If you saturate the color by 10%, you get **17.8934, 15.4342, 2.0360**, and if you desaturate by 10%, it is **18.5526, 16.6077, 2.7026**.

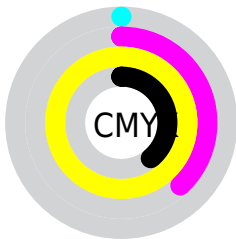
Distribution



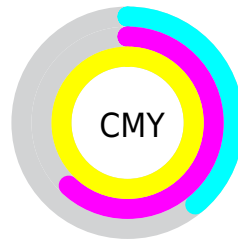
- Red (61%)
- Green (38%)
- Blue (0%)



- Red (38%)
- Yellow (61%)
- Blue (0%)



- Cyan (0%)
- Magenta (38%)
- Yellow (100%)
- Black (39%)





- Cyan (39%)
- Magenta (62%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8932, 15.4337, 2.0359 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 17.8932, 15.4337, 2.0359 by changing the saturation by 10% instead.


 17.8932, 15.4337,
2.0359


 17.8932, 15.4337,
2.0359


 233.3256,
225.9765, 122.9318


 10.9726, 9.1243,
0.5772


 39.3868, 35.6122,
9.1387


 6.1155, 4.8224,
0.0000


 54.6904, 50.2502,
15.6694


 2.9568, 2.1434,
0.0000

 73.5191, 68.4332,
24.7444

 1.1310, 0.6889,
0.0000

 96.2382, 90.5455,
36.7821


 0.0508, 0.0000,
0.0000


 123.2130,
116.9716, 52.2012


 0.0000, 0.0000,
0.0000


 154.8090,


148.0959, 71.4201


 191.3914,
184.3027, 94.8575


 17.8932, 15.4337,
2.0359


 17.8932, 15.4337,
2.0359


 17.8934, 15.4342,
2.0360

 18.5526, 16.6077,
2.7026

 19.3232, 17.8939,
3.7459

 20.2371, 19.3070,
5.3286

 21.3077, 20.8539,
7.5179

 22.5467, 22.5404,
10.3708

■ 23.9645, 24.3722,
13.9379

■ 25.5703, 26.3540,
18.2647

■ 27.3729, 28.4906,
23.3929

■ 29.3802, 30.7864,
29.3611

Harmonies

Analogous

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



22.9167, 15.4337, 4.5741



17.8932, 15.4337, 2.0359



12.9078, 15.4337, 1.8229

Triad

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



17.8932, 15.4337, 2.0359



7.2536, 15.4337, 22.6343



21.7772, 15.4337, 46.1933

Complementary

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



17.8932, 15.4337, 2.0359



7.6165, 5.6319, 32.1379

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.



16.5842, 15.4337, 59.3747



17.8932, 15.4337, 2.0359



8.6843, 15.4337, 41.5228

Square

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



17.8932, 15.4337, 2.0359



7.4524, 15.4337, 9.5685



11.8579, 15.4337, 57.3061



25.4802, 15.4337, 26.9947

Rectangle

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



17.8932, 15.4337, 2.0359



10.3139, 15.4337, 2.7077



11.8579, 15.4337, 57.3061



20.1050, 15.4337, 51.8530

Sweetspot

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



17.8935, 15.4345, 2.0362



46.2595, 47.6442, 32.6654



14.5908, 7.4202, 5.2787



9.9215, 10.1691, 6.4836



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.8935, 15.4345, 2.0362



32.3044, 27.6425, 3.6329



22.7711, 29.3870, 4.4722



6.9557, 7.2914, 7.0264



14.7730, 12.7816, 1.6885



0.3041, 0.3085, 0.0435

Inverse Universe

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



7.6165, 5.6319, 32.1379



13.6560, 9.8736, 58.3128



6.2077, 2.5071, 31.6090



6.4834, 6.8326, 8.3838



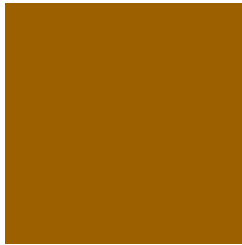
6.3052, 4.7019, 26.4825



0.1522, 0.1631, 0.4867

Previews

White Background



This preview shows how the XYZ color 17.8932, 15.4337, 2.0359 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 17.8932, 15.4337, 2.0359 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 17.8932, 15.4337, 2.0359

Background



This preview shows how black text looks on a background with the XYZ color 17.8932, 15.4337, 2.0359.



This preview shows how white text looks on a background with the XYZ color 17.8932, 15.4337,

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

17.8932, 15.4337, 2.0359

Protanopia

13.9545, 15.4635, 2.5971

Deuteranopia

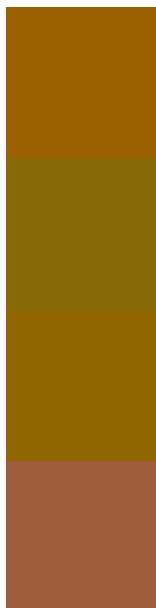
15.5978, 15.3896, 2.1484



Tritanopia

20.1809, 15.4629, 12.9873

Trichromacy



Original Color

17.8932, 15.4337, 2.0359

Protanomaly

15.2487, 15.3549, 2.3898

Deuteranomaly

16.3307, 15.3271, 2.0977

Tritanomaly

18.9675, 15.3621, 6.3804

Monochromacy



Original Color

17.8932, 15.4337, 2.0359

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.5666, 13.6453, 7.0730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8932, 15.4337, 2.0359 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(156, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 96, 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(156, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 96, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.8932, 15.4337, 2.0359 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(156, 96, 0) }
```


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

```
.border{ border-color:rgb(156, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8932, 15.4337, 2.0359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 96, 0) }
```

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

```
.background{ background-color: rgb(156, 96,  
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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