

Converting Colors

XYZ(17.9955, 16.0938, 2.1579)

Have a look what the booklet for
XYZ(17.9955, 16.0938, 2.1579)
contains.

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Color

**XYZ(17.8836, 15.9844,
2.1427)**

Conversions

Conversions Part 1

Format	Color
Hex	9A6400
RGB	154, 100, 0
RGB Percent	60%, 39%, 0%
CMY	0.3961, 0.6078, 1.0000
CMYK	0.00, 0.35, 1.00, 0.40
HSL	39°, 100%, 30%
HSV	39°, 100%, 60%
XYZ	17.8836, 15.9844, 2.1427
YIQ	104.7460, 64.2840, -19.6520

Conversions

Conversions Part 2

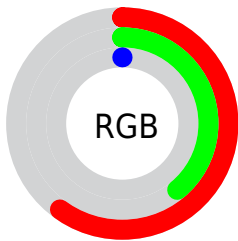
Format	Color
RYB	83, 154, 0
Decimal	10118144
CIELab	46.95, 15.16, 54.55
CIELCh	47, 56.612, 74.469
Yxy	15.9844, 0.4966, 0.4439
Android (android.graphics.Color)	4288308224 (0xFF9A6400)
YUV	104.7460, -51.6398, 43.1958
Hunter-Lab	39.9805, 9.8786, 24.8088

Details

The XYZ color **17.8836, 15.9844, 2.1427** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.1519, 4.9713, 31.1542**, and the grayscale version is **13.4821, 14.1842, 15.4466**.

A 20% lighter version of the original color is **39.3495, 36.6163, 9.4086**, and **6.2029, 5.0876, 0.6551** is the 20% darker color. If you saturate the color by 10%, you get **17.8838, 15.9849, 2.1428**, and if you desaturate by 10%, it is **18.5083, 17.0913, 2.7907**.

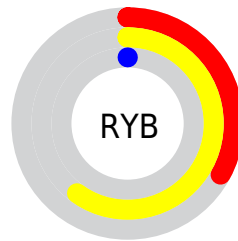
Distribution



Red (60%)

Green (39%)

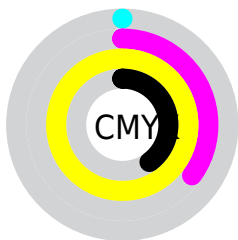
Blue (0%)



Red (33%)

Yellow (60%)

Blue (0%)

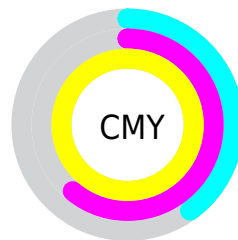


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8836, 15.9844, 2.1427 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 17.8836, 15.9844, 2.1427 by changing the saturation by 10% instead.

■ 17.8836, 15.9844,
2.1427

■ 17.8836, 15.9844,
2.1427

233.2724,
229.2496, 124.5547

■ 10.9656, 9.5131,
0.6410

■ 39.3705, 36.5711,
9.4274

■ 6.1109, 5.0774,
0.0000

■ 54.6702, 51.4553,
16.0822

■ 2.9539, 2.2927,
0.0000

■ 73.4945, 69.9127,
25.3035

■ 1.1294, 0.7699,
0.0000

■ 96.2087, 92.3275,
37.5097


■ 0.0495, 0.0000,
0.0000


■ 123.1783,
119.0842, 53.1194


■ 0.0000, 0.0000,
0.0000


■ 154.7685,


150.5672, 72.5511


 191.3448,
187.1609, 96.2233


 17.8836, 15.9844,
2.1427


 17.8836, 15.9844,
2.1427


 17.8838, 15.9849,
2.1428

 18.5083, 17.0913,
2.7907

 19.2341, 18.2940,
3.8002

 20.0924, 19.6066,
5.3314

 21.0959, 21.0352,
7.4490

 22.2557, 22.5853,
10.2083

■ 23.5817, 24.2616,
13.6581

■ 25.0828, 26.0687,
17.8425

■ 26.7670, 28.0107,
22.8017

■ 28.6421, 30.0914,
28.5732

Harmonies

Analogous

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



23.0389, 15.9844, 4.4484



17.8836, 15.9844, 2.1427



12.9385, 15.9844, 2.1106

Triad

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



17.8836, 15.9844, 2.1427



7.7201, 15.9844, 25.1341



22.8749, 15.9844, 44.9692

Complementary

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



17.8836, 15.9844, 2.1427



7.1519, 4.9713, 31.1542

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.



17.6946, 15.9844, 59.3322



17.8836, 15.9844, 2.1427



9.3671, 15.9844, 44.3010

Square

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



17.8836, 15.9844, 2.1427



7.7492, 15.9844, 11.0835



12.7862, 15.9844, 59.0370



26.3194, 15.9844, 25.7616

Rectangle

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



17.8836, 15.9844, 2.1427



10.4214, 15.9844, 3.2232



12.7862, 15.9844, 59.0370



21.2349, 15.9844, 50.8936

Sweetspot

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



17.8840, 15.9852, 2.1430



45.3912, 47.1511, 31.9138



14.0517, 7.1602, 4.4433



10.0245, 10.3753, 6.5179



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.



17.8840, 15.9852, 2.1430



32.3002, 28.6633, 3.8302



21.3022, 28.1356, 4.3081



6.5265, 6.8581, 6.5856



14.6049, 13.0921, 1.7573



0.2522, 0.2634, 0.0376

Inverse Universe

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



7.1519, 4.9713, 31.1542



12.8256, 8.6983, 56.5392



6.1323, 2.4876, 30.7285



6.0528, 6.3630, 7.8381



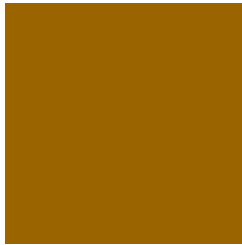
5.8577, 4.1121, 25.3927



0.1196, 0.1255, 0.3903

Previews

White Background



This preview shows how the XYZ color 17.8836, 15.9844, 2.1427 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 17.8836, 15.9844, 2.1427 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 17.8836, 15.9844, 2.1427

Background



This preview shows how black text looks on a background with the XYZ color 17.8836, 15.9844, 2.1427.



This preview shows how white text looks on a background with the XYZ color 17.8836, 15.9844,

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

17.8836, 15.9844, 2.1427

Protanopia

14.4588, 16.0481, 2.6521

Deuteranopia

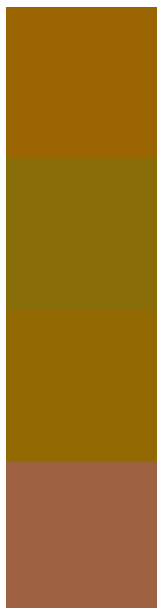
16.1385, 15.9708, 2.2321



Tritanopia

20.3152, 16.0179, 14.0776

Trichromacy



Original Color

17.8836, 15.9844, 2.1427

Protanomaly

15.5543, 15.9747, 2.4646

Deuteranomaly

16.8044, 16.0116, 2.2049

Tritanomaly

19.0129, 15.9040, 6.9182

Monochromacy



Original Color

17.8836, 15.9844, 2.1427

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.0317, 14.3167, 7.3340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8836, 15.9844, 2.1427 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(154, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(154, 100, 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(154, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 100, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.8836, 15.9844, 2.1427 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(154, 100, 0) }
```


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

```
.border{ border-color:rgb(154, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(154, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(154, 100,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8836, 15.9844, 2.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 100, 0) }
```

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

```
.background{ background-color: rgb(154,  
100, 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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