

Converting Colors

XYZ(19.4828, 16.8062, 2.2171)

Have a look what the booklet for
XYZ(19.4828, 16.8062, 2.2171)
contains.

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Color

**XYZ(19.4575, 16.7957,
2.2164)**

Conversions

Conversions Part 1

Format	Color
Hex	A26400
RGB	162, 100, 0
RGB Percent	64%, 39%, 0%
CMY	0.3647, 0.6078, 1.0000
CMYK	0.00, 0.38, 1.00, 0.36
HSL	37°, 100%, 32%
HSV	37°, 100%, 64%
XYZ	19.4575, 16.7957, 2.2164
YIQ	107.1380, 69.0520, -17.9560

Conversions

Conversions Part 2

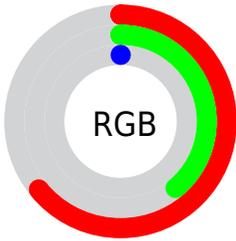
Format	Color
RYB	100, 162, 0
Decimal	10642432
CIELab	48.00, 18.81, 55.74
CIElCh	48, 58.828, 71.350
Yxy	16.7957, 0.5058, 0.4366
Android (android.graphics.Color)	4288832512 (0xFFA26400)
YUV	107.1380, -52.8190, 48.1140
Hunter-Lab	40.9826, 13.0279, 25.4813

Details

The XYZ color **19.4575, 16.7957, 2.2164** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.2444, 6.0541, 34.9163**, and the grayscale version is **14.1427, 14.8792, 16.2035**.

A 20% lighter version of the original color is **42.0603, 38.0106, 9.6774**, and **6.9820, 5.4893, 0.6915** is the 20% darker color. If you saturate the color by 10%, you get **19.4576, 16.7961, 2.2164**, and if you desaturate by 10%, it is **20.1704, 18.0696, 2.9230**.

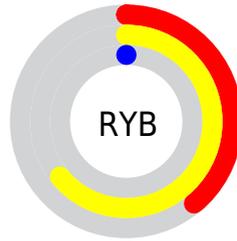
Distribution



Red (64%)

Green (39%)

Blue (0%)



Red (39%)

Yellow (64%)

Blue (0%)

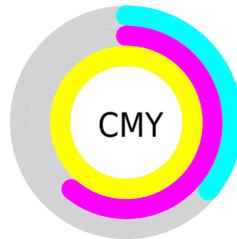


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4575, 16.7957, 2.2164 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 19.4575, 16.7957, 2.2164 by changing the saturation by 10% instead.

■ 19.4575, 16.7957,
2.2164

■ 19.4575, 16.7957,
2.2164

241.8528,
233.9923, 125.6514

■ 12.1073, 10.0889,
0.6838

■ 42.0167, 37.9742,
9.6244

■ 6.8895, 5.4580,
0.0000

■ 57.9563, 53.2147,
16.3632

■ 3.4388, 2.5184,
0.0000

■ 77.4899, 72.0686,
25.6833

■ 1.3898, 0.8858,
0.0000

■ 100.9826, 94.9202,
38.0031

■ 0.2490, 0.0000,
0.0000

■ 128.7999,
122.1540, 53.7413

■ 0.0000, 0.0000,
0.0000

■ 161.3072,

154.1544, 73.3164

 198.8697,
191.3057, 97.1469

 19.4575, 16.7957,
2.2164

 19.4575, 16.7957,
2.2164

 19.4576, 16.7961,
2.2164

 20.1704, 18.0696,
2.9230

 21.0054, 19.4656,
4.0458

 21.9961, 20.9993,
5.7563

 23.1575, 22.6783,
8.1285

 24.5024, 24.5090,
11.2251

■ 26.0421, 26.4974,
15.1017

■ 27.7868, 28.6489,
19.8082

■ 29.7461, 30.9686,
25.3905

■ 31.9288, 33.4613,
31.8910

Harmonies

Analogous

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



24.9232, 16.7957, 4.9713



19.4575, 16.7957, 2.2164



14.0371, 16.7957, 1.9886

Triad

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



19.4575, 16.7957, 2.2164



7.8984, 16.7957, 24.6688



23.7061, 16.7957, 50.2035

Complementary

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



19.4575, 16.7957, 2.2164



8.2444, 6.0541, 34.9163

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.



18.0592, 16.7957, 64.5647



19.4575, 16.7957, 2.2164



9.4590, 16.7957, 45.2156

Square

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



19.4575, 16.7957, 2.2164



8.1108, 16.7957, 10.4383



12.9155, 16.7957, 62.3555



27.7270, 16.7957, 29.3262

Rectangle

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



19.4575, 16.7957, 2.2164



11.2182, 16.7957, 2.9557



12.9155, 16.7957, 62.3555



21.8884, 16.7957, 56.3642

Sweetspot

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



19.4579, 16.7966, 2.2167



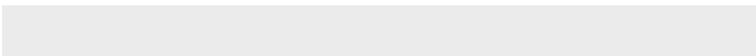
50.2529, 51.7776, 35.4268



15.7727, 8.0304, 5.2911



10.9926, 11.2702, 7.1523



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.4579, 16.7966, 2.2167



35.1201, 30.0841, 3.9558



24.2654, 31.6892, 4.8379



7.4206, 7.7797, 7.4906



15.3718, 13.3175, 1.7604



0.3665, 0.3669, 0.0515

Inverse Universe

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



8.2444, 6.0541, 34.9163



14.7819, 10.6205, 63.3270



6.7884, 2.7463, 34.3546



6.9123, 7.2836, 8.9446



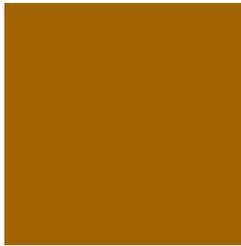
6.5340, 4.8474, 27.5210



0.1821, 0.1915, 0.5932

Previews

White Background



This preview shows how the XYZ color 19.4575, 16.7957, 2.2164 looks on a white background.

Color Contrast Check

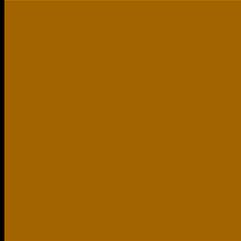
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4575, 16.7957, 2.2164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

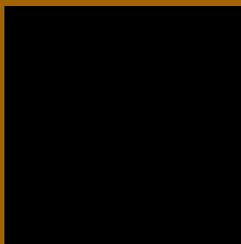
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4575, 16.7957, 2.2164

Background



This preview shows how black text looks on a background with the XYZ color 19.4575, 16.7957, 2.2164.



This preview shows how white text looks on a background with the XYZ color 19.4575, 16.7957,

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

19.4575, 16.7957, 2.2164

Protanopia

15.2504, 16.9551, 2.8167

Deuteranopia

17.1457, 16.9570, 2.3694



Tritanopia

21.9405, 16.8558, 14.1537

Trichromacy



Original Color

19.4575, 16.7957, 2.2164

Protanomaly

16.6043, 16.8321, 2.6035

Deuteranomaly

17.9165, 16.8874, 2.3153

Tritanomaly

20.6253, 16.7352, 6.9936

Monochromacy



Original Color

19.4575, 16.7957, 2.2164

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.7461, 14.8300, 7.5541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4575, 16.7957, 2.2164 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(162, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 100, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4575, 16.7957, 2.2164 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(162, 100, 0) }
```

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

```
.border{ border-color:rgb(162, 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(162, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 100,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4575, 16.7957, 2.2164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 100, 0) }
```

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

```
.background{ background-color: rgb(162,  
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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