

Converting Colors

XYZ(19.7742, 20.0470, 2.8273)

Have a look what the booklet for
XYZ(19.7742, 20.0470, 2.8273)
contains.

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Color

**XYZ(19.7337, 19.9660,
2.8137)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 997700 |
| RGB | 153, 119, 0 |
| RGB Percent | 60%, 47%, 0% |
| CMY | 0.4000, 0.5333, 1.0000 |
| CMYK | 0.00, 0.22, 1.00, 0.40 |
| HSL | 47°, 100%, 30% |
| HSV | 47°, 100%, 60% |
| XYZ | 19.7337, 19.9660, 2.8137 |
| YIQ | 115.6000, 58.4630, -29.8010 |

Conversions

Conversions Part 2

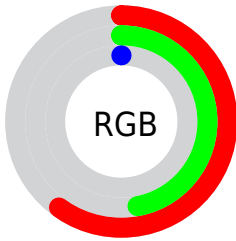
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 44, 153, 0 |
| Decimal | 10057472 |
| CIELab | 51.80, 3.83, 57.77 |
| CIELCh | 52, 57.892, 86.203 |
| Yxy | 19.9660, 0.4642, 0.4696 |
| Android (android.graphics.Color) | 4288247552 (0xFF997700) |
| YUV | 115.6000, -56.9908, 32.7998 |
| Hunter-Lab | 44.6833, 0.6359, 27.5449 |

Details

The XYZ color **19.7337, 19.9660, 2.8137** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.3218, 3.4440, 30.4683**, and the grayscale version is **16.6349, 17.5012, 19.0588**.

A 20% lighter version of the original color is **42.3810, 43.3564, 11.1359**, and **7.1830, 7.0479, 0.9818** is the 20% darker color. If you saturate the color by 10%, you get **19.7340, 19.9667, 2.8139**, and if you desaturate by 10%, it is **20.2344, 20.8261, 3.4168**.

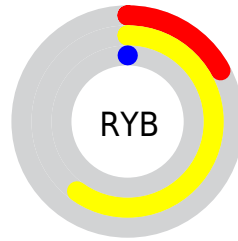
Distribution



Red (60%)

Green (47%)

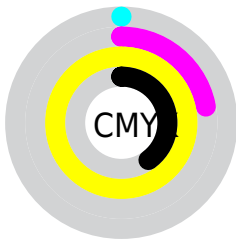
Blue (0%)



Red (17%)

Yellow (60%)

Blue (0%)

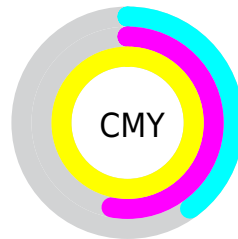


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7337, 19.9660, 2.8137 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 19.7337, 19.9660, 2.8137 by changing the saturation by 10% instead.

■ 19.7337, 19.9660,
2.8137

■ 19.7337, 19.9660,
2.8137

243.3309,
251.7310, 133.9513

■ 12.3088, 12.3703,
1.0003

■ 42.4776, 43.3602,
11.1652

■ 7.0280, 6.9964,
0.0000

■ 58.5273, 59.9275,
18.5403

■ 3.5261, 3.4599,
0.0000

■ 78.1826, 80.2541,
28.6065

■ 1.4377, 1.3763,
0.0000

■ 101.8089,
104.7244, 41.7822


■ 0.2828, 0.1991,
0.0000


■ 129.7715,
133.7229, 58.4860


■ 0.0000, 0.0000,
0.0000


■ 162.4358,


167.6339, 79.1364


 200.1672,
206.8418, 104.1520


 19.7337, 19.9660,
2.8137


 19.7337, 19.9660,
2.8137


 19.7340, 19.9667,
2.8139

 20.2344, 20.8261,
3.4168

 20.8147, 21.7407,
4.3686

 21.5051, 22.7229,
5.8276

 22.3179, 23.7779,
7.8573

 23.2634, 24.9102,
10.5121

■ 24.3510, 26.1235,
13.8396

■ 25.5889, 27.4215,
17.8833

■ 26.9848, 28.8074,
22.6825

■ 28.5457, 30.2843,
28.2740

Harmonies

Analogous

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



25.9672, 19.9660, 4.4295



19.7337, 19.9660, 2.8137



14.4200, 19.9660, 3.7294

Triad

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



19.7337, 19.9660, 2.8137



10.5500, 19.9660, 39.3481



29.9770, 19.9660, 45.1101

Complementary

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



19.7337, 19.9660, 2.8137



6.3218, 3.4440, 30.4683

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.



24.4054, 19.9660, 65.5049



19.7337, 19.9660, 2.8137



13.3696, 19.9660, 61.1437

Square

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



19.7337, 19.9660, 2.8137



9.8016, 19.9660, 19.6702



18.2401, 19.9660, 72.5182



32.6014, 19.9660, 23.9492

Rectangle

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



19.7337, 19.9660, 2.8137



11.9451, 19.9660, 6.1718



18.2401, 19.9660, 72.5182



28.3371, 19.9660, 52.6320

Sweetspot

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



19.7341, 19.9670, 2.8141



45.6871, 48.9662, 31.5577



13.4508, 6.8979, 2.2680



9.8939, 10.6113, 6.3249



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.7341, 19.9670, 2.8141



35.1989, 35.4730, 4.9918



18.0989, 26.2402, 4.1111



6.5924, 6.9900, 6.6076



16.3353, 16.5530, 2.3341



0.2700, 0.2990, 0.0435

Inverse Universe

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



6.3218, 3.4440, 30.4683



11.2052, 5.9348, 54.5269



6.6564, 2.7674, 30.3200



5.9903, 6.2379, 7.8173



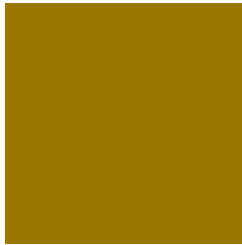
5.2463, 2.8894, 25.1889



0.1018, 0.0899, 0.3844

Previews

White Background



This preview shows how the XYZ color 19.7337, 19.9660, 2.8137 looks on a white background.

Color Contrast Check

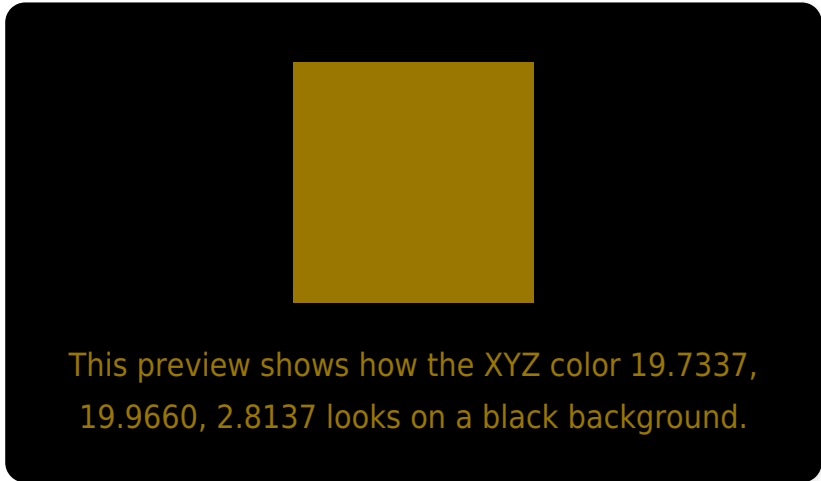
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

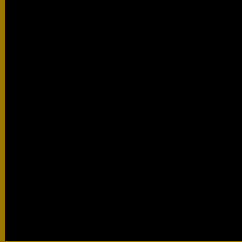
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7337, 19.9660, 2.8137

Background



This preview shows how black text looks on a background with the XYZ color 19.7337, 19.9660, 2.8137.



This preview shows how white text looks on a background with the XYZ color 19.7337, 19.9660,

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

19.7337, 19.9660, 2.8137

Protanopia

18.0667, 20.0083, 3.1395

Deuteranopia

20.3097, 19.9082, 3.0020



Tritanopia

23.3123, 20.0717, 20.0983

Trichromacy



Original Color

19.7337, 19.9660, 2.8137

Protanomaly

18.6640, 19.9498, 3.0106

Deuteranomaly

20.2161, 20.0357, 2.9454

Tritanomaly

21.2264, 19.7245, 9.5259

Monochromacy



Original Color

19.7337, 19.9660, 2.8137

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6506, 17.8841, 9.0530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7337, 19.9660, 2.8137 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(153, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 119, 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(153, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7337, 19.9660, 2.8137 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(153, 119, 0) }
```


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

```
.border{ border-color:rgb(153, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7337, 19.9660, 2.8137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 119, 0) }
```

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

```
.background{ background-color: rgb(153,  
119, 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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