

Converting Colors

XYZ(29.0090, 25.2713, 3.2599)

Have a look what the booklet for
XYZ(29.0090, 25.2713, 3.2599)
contains.

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Color

**XYZ(28.9519, 25.2565,
3.3491)**

Conversions

Conversions Part 1

Format	Color
Hex	C17A00
RGB	193, 122, 0
RGB Percent	76%, 48%, 0%
CMY	0.2431, 0.5215, 1.0000
CMYK	0.00, 0.37, 1.00, 0.24
HSL	38°, 100%, 38%
HSV	38°, 100%, 76%
XYZ	28.9519, 25.2565, 3.3491
YIQ	129.3210, 81.4780, -22.8900

Conversions

Conversions Part 2

Format	Color
R_{YB}	112, 193, 0
Decimal	12679680
CIE _{Lab}	57.32, 20.37, 63.76
CIE _{LCh}	57, 66.931, 72.284
Yxy	25.2565, 0.5030, 0.4388
Android (android.graphics.Color)	4290869760 (0xFFC17A00)
YUV	129.3210, -63.7553, 55.8465
Hunter-Lab	50.2558, 14.8844, 31.2279

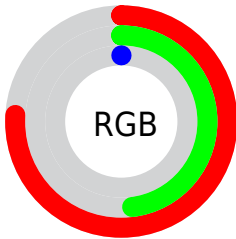
Details

The XYZ color **28.9519, 25.2565, 3.3491** is a dark color, and the websafe version is hex **996600**.

The color can be described as dark washed orange. A complement of this color would be **11.8792, 8.3573, 51.4388**, and the grayscale version is **21.1769, 22.2797, 24.2626**.

A 20% lighter version of the original color is **57.4194, 51.9495, 12.4698**, and **12.0554, 9.7516, 1.2469** is the 20% darker color. If you saturate the color by 10%, you get **28.9520, 25.2569, 3.3491**, and if you desaturate by 10%, it is **29.9765, 27.1137, 4.2836**.

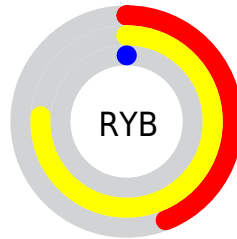
Distribution



Red (76%)

Green (48%)

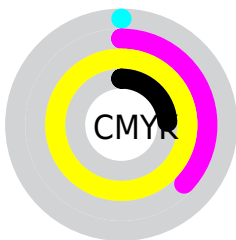
Blue (0%)



Red (44%)

Yellow (76%)

Blue (0%)

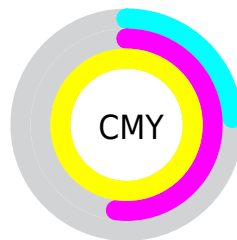


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9519, 25.2565, 3.3491 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 28.9519, 25.2565, 3.3491 by changing the saturation by 10% instead.

■ 28.9519, 25.2565,
3.3491

■ 28.9519, 25.2565,
3.3491

288.9862,
279.1129, 140.6898

■ 19.1885, 16.2683,
1.2755

■ 57.3987, 52.0730,
12.4784

■ 11.9114, 9.7142,
0.0416

■ 76.8129, 70.6701,
20.3711

■ 6.7551, 5.2099,
0.0000

■ 100.1748, 93.2389,
31.0407

■ 3.3544, 2.3709,
0.0000

■ 127.8496,
120.1639, 44.9057

■ 1.3438, 0.8109,
0.0000

■ 160.2028,
151.8294, 62.3845


■ 0.2157, 0.0000,
0.0000


■ 197.5998,


■ 0.0000, 0.0000,


188.6198, 83.8958


0.0000


 240.4058,
230.9195, 109.8580


 28.9519, 25.2565,
3.3491


 28.9519, 25.2565,
3.3491


 28.9520, 25.2569,
3.3491

 29.9765, 27.1137,
4.2836

 31.1850, 29.1474,
5.8681

 32.6219, 31.3785,
8.3282

 34.3102, 33.8182,
11.7792

 36.2695, 36.4763,
16.3187

■ 38.5173, 39.3616,
22.0324

■ 41.0693, 42.4822,
28.9974

■ 43.9399, 45.8457,
37.2841

■ 47.1424, 49.4592,
46.9579

Harmonies

Analogous

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



37.1487, 25.2565, 7.3380



28.9519, 25.2565, 3.3491



20.9047, 25.2565, 3.0927

Triad

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



28.9519, 25.2565, 3.3491



11.9745, 25.2565, 37.8791



35.7981, 25.2565, 74.1230

Complementary

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



28.9519, 25.2565, 3.3491



11.8792, 8.3573, 51.4388

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.



27.3988, 25.2565, 96.0628



28.9519, 25.2565, 3.3491



14.3979, 25.2565, 68.5977

Square

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



28.9519, 25.2565, 3.3491



12.2113, 25.2565, 16.2352



19.6573, 25.2565, 93.6175



41.6612, 25.2565, 43.0474

Rectangle

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



28.9519, 25.2565, 3.3491



16.7463, 25.2565, 4.6358



19.6573, 25.2565, 93.6175



33.1076, 25.2565, 83.4192

Sweetspot

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



28.9525, 25.2578, 3.3496



73.3262, 75.8113, 51.2897



23.2280, 11.8319, 7.5362



15.3021, 15.7452, 9.8158



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.9525, 25.2578, 3.3496



51.6104, 44.7492, 5.9173



35.7523, 46.7399, 7.1376



10.5919, 11.1152, 10.6491



19.3350, 16.9558, 2.2537



0.8994, 0.8605, 0.1187

Inverse Universe

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



11.8792, 8.3573, 51.4388



21.0607, 14.5379, 92.0564



9.9683, 4.0270, 50.7037



9.8250, 10.3413, 12.7631



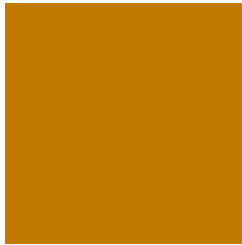
7.9712, 5.6988, 34.2365



0.4105, 0.3783, 1.5013

Previews

White Background



This preview shows how the XYZ color 28.9519, 25.2565, 3.3491 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



This preview shows how the XYZ color 28.9519, 25.2565, 3.3491 looks on a 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 28.9519, 25.2565, 3.3491

Background



This preview shows how black text looks on a background with the XYZ color 28.9519, 25.2565, 3.3491.



This preview shows how white text looks on a background with the XYZ color 28.9519, 25.2565,

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

28.9519, 25.2565, 3.3491

Protanopia

23.0222, 25.5649, 4.1366

Deuteranopia

25.7955, 25.3466, 3.5328



Tritanopia

32.7067, 25.2212, 21.5567

Trichromacy



Original Color

28.9519, 25.2565, 3.3491

Protanomaly

24.7990, 25.2298, 3.8212

Deuteranomaly

27.0106, 25.3834, 3.4759

Tritanomaly

30.3855, 24.7766, 10.3886

Monochromacy



Original Color

28.9519, 25.2565, 3.3491

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.9327, 22.2063, 11.1129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9519, 25.2565, 3.3491 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(193, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 122, 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(193, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.9519, 25.2565, 3.3491 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(193, 122, 0) }
```


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

```
.border{ border-color:rgb(193, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9519, 25.2565, 3.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 122, 0) }
```

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

```
.background{ background-color: rgb(193,  
122, 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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