

Converting Colors

XYZ(28.9100, 30.3942, 4.3430)

Have a look what the booklet for
XYZ(28.9100, 30.3942, 4.3430)
contains.

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Color

**XYZ(28.7938, 30.3324,
4.3371)**

Conversions

Conversions Part 1

Format	Color
Hex	B29300
RGB	178, 147, 0
RGB Percent	70%, 58%, 0%
CMY	0.3020, 0.4235, 1.0000
CMYK	0.00, 0.17, 1.00, 0.30
HSL	50°, 100%, 35%
HSV	50°, 100%, 70%
XYZ	28.7938, 30.3324, 4.3371
YIQ	139.5110, 65.6630, -39.1450

Conversions

Conversions Part 2

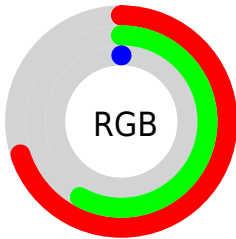
Format	Color
RYB	38, 178, 0
Decimal	11703040
CIELab	61.94, -0.14, 66.08
CIELCh	62, 66.076, 90.122
Yxy	30.3324, 0.4537, 0.4780
Android (android.graphics.Color)	4289893120 (0xFFB29300)
YUV	139.5110, -68.7789, 33.7549
Hunter-Lab	55.0749, -3.0590, 33.8834

Details

The XYZ color **28.7938, 30.3324, 4.3371** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.5261, 4.1946, 42.4794**, and the grayscale version is **24.9789, 26.2798, 28.6187**.

A 20% lighter version of the original color is **57.3162, 60.4183, 14.7719**, and **12.0204, 12.5425, 1.7874** is the 20% darker color. If you saturate the color by 10%, you get **28.7941, 30.3333, 4.3373**, and if you desaturate by 10%, it is **29.3906, 31.3540, 5.0671**.

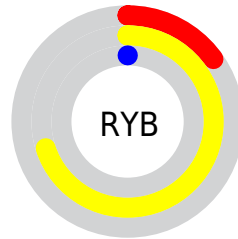
Distribution



Red (70%)

Green (58%)

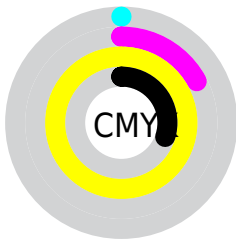
Blue (0%)



Red (15%)

Yellow (70%)

Blue (0%)

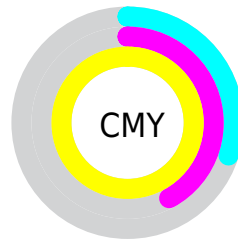


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7938, 30.3324, 4.3371 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 28.7938, 30.3324, 4.3371 by changing the saturation by 10% instead.

■ 28.7938, 30.3324,
4.3371

■ 28.7938, 30.3324,
4.3371

288.2526,
303.4508, 151.9016

■ 19.0684, 20.0910,
1.8120

■ 57.1491, 60.1875,
14.7800

■ 11.8240, 12.4612,
0.4359

■ 76.5098, 80.5699,
23.5350

■ 6.6953, 7.0586,
0.0000

■ 99.8129, 105.1015,
35.2037

■ 3.3169, 3.4988,
0.0000

■ 127.4238,
134.1667, 50.2046

■ 1.3235, 1.3973,
0.0000

■ 159.7078,
168.1498, 68.9563


■ 0.2007, 0.2148,
0.0000


■ 197.0304,


■ 0.0000, 0.0000,


207.4353, 91.8774


0.0000


 239.7569,
252.4075, 119.3863


 28.7938, 30.3324,
4.3371

 28.7938, 30.3324,
4.3371


 28.7941, 30.3333,
4.3373

 29.3906, 31.3540,
5.0671

 30.0971, 32.4393,
6.3132

 30.9515, 33.6047,
8.2729

 31.9717, 34.8578,
11.0398

 33.1727, 36.2046,
14.6932

■ 34.5679, 37.6506,
19.3030

■ 36.1694, 39.2009,
24.9319

■ 37.9881, 40.8599,
31.6374

■ 40.0343, 42.6319,
39.4728

Harmonies

Analogous

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



38.1617, 30.3324, 6.2343



28.7938, 30.3324, 4.3371



21.1079, 30.3324, 6.2686

Triad

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



28.7938, 30.3324, 4.3371



16.4772, 30.3324, 64.0057



46.2389, 30.3324, 63.7266

Complementary

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



28.7938, 30.3324, 4.3371



8.5261, 4.1946, 42.4794

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.



38.2374, 30.3324, 95.6302



28.7938, 30.3324, 4.3371



21.1590, 30.3324, 95.8413

Square

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



28.7938, 30.3324, 4.3371



14.9453, 30.3324, 33.1308



28.8663, 30.3324, 109.6278



49.4065, 30.3324, 32.9231

Rectangle

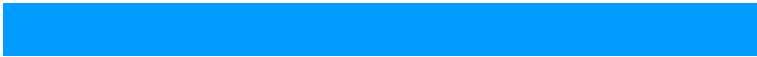
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.7938, 30.3324, 4.3371



17.6467, 30.3324, 10.6032



28.8663, 30.3324, 109.6278



43.9543, 30.3324, 75.1458

Sweetspot

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



28.7945, 30.3339, 4.3377



65.4294, 70.9366, 44.6291



18.6296, 9.5729, 2.2786



14.2191, 15.4520, 8.9027



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.7945, 30.3339, 4.3377



52.0660, 54.7062, 7.8152



23.8949, 35.9516, 5.6803



9.0687, 9.6499, 9.0372



20.6435, 21.7855, 3.1170



0.6826, 0.7516, 0.1091

Inverse Universe

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



8.5261, 4.1946, 42.4794



15.3452, 7.3743, 76.9958



9.6878, 4.0661, 42.3934



8.1577, 8.4615, 10.7096



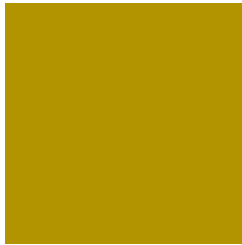
6.1336, 3.0675, 30.4058



0.2291, 0.1688, 0.9687

Previews

White Background



This preview shows how the XYZ color 28.7938, 30.3324, 4.3371 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 28.7938, 30.3324, 4.3371 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 ✓ Pass

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

XYZ 28.7938, 30.3324, 4.3371

Background



This preview shows how black text looks on a background with the XYZ color 28.7938, 30.3324, 4.3371.

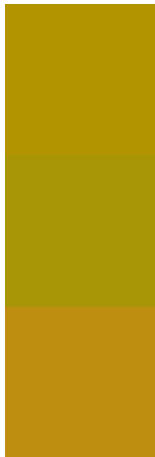


This preview shows how white text looks on a background with the XYZ color 28.7938, 30.3324,

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

28.7938, 30.3324, 4.3371

Protanopia

27.3069, 30.2630, 4.6031

Deuteranopia

30.7455, 30.1993, 4.6605



Tritanopia

34.4618, 30.4370, 31.6624

Trichromacy



Original Color

28.7938, 30.3324, 4.3371

Protanomaly

27.7826, 30.2743, 4.4941

Deuteranomaly

30.0356, 30.2827, 4.5493

Tritanomaly

31.0737, 29.9252, 14.7281

Monochromacy



Original Color

28.7938, 30.3324, 4.3371

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.9521, 27.2362, 13.3932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7938, 30.3324, 4.3371 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(178, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 147, 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(178, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 147, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7938, 30.3324, 4.3371 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(178, 147, 0) }
```


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

```
.border{ border-color:rgb(178, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 147,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7938, 30.3324, 4.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 147, 0) }
```

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

```
.background{ background-color: rgb(178,  
147, 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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