

Converting Colors

XYZ(28.9752, 29.4043, 3.8477)

Have a look what the booklet for
XYZ(28.9752, 29.4043, 3.8477)
contains.

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Color

**XYZ(28.9644, 29.2911,
4.1272)**

Conversions

Conversions Part 1

Format	Color
Hex	B68E00
RGB	182, 142, 0
RGB Percent	71%, 56%, 0%
CMY	0.2863, 0.4431, 1.0000
CMYK	0.00, 0.22, 1.00, 0.29
HSL	47°, 100%, 36%
HSV	47°, 100%, 71%
XYZ	28.9644, 29.2911, 4.1272
YIQ	137.7720, 69.4220, -35.6820

Conversions

Conversions Part 2

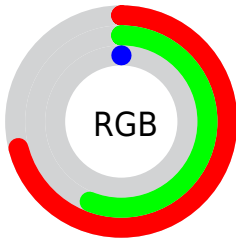
Format	Color
R_{YB}	51, 182, 0
Decimal	11963904
CIE Lab	61.04, 4.41, 65.64
CIE LCh	61, 65.788, 86.156
Yxy	29.2911, 0.4643, 0.4695
Android (android.graphics.Color)	4290153984 (0xFFB68E00)
YUV	137.7720, -67.9216, 38.7880
Hunter-Lab	54.1213, 0.8167, 33.3635

Details

The XYZ color **28.9644, 29.2911, 4.1272** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.2026, 4.8955, 44.7154**, and the grayscale version is **24.3039, 25.5696, 27.8453**.

A 20% lighter version of the original color is **57.2704, 58.3624, 14.2078**, and **12.1393, 11.9394, 1.6647** is the 20% darker color. If you saturate the color by 10%, you get **28.9646, 29.2917, 4.1273**, and if you desaturate by 10%, it is **29.6818, 30.5486, 4.9135**.

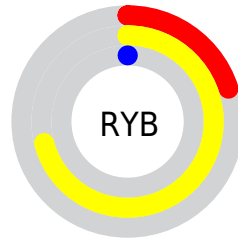
Distribution



Red (71%)

Green (56%)

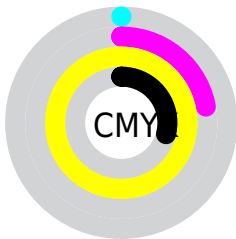
Blue (0%)



Red (20%)

Yellow (71%)

Blue (0%)

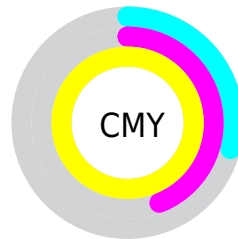


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9644, 29.2911, 4.1272 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 28.9644, 29.2911, 4.1272 by changing the saturation by 10% instead.


 28.9644, 29.2911,
4.1272


 28.9644, 29.2911,
4.1272


289.0442,
298.5860, 149.6289

 19.1980, 19.3011,
1.6954


 57.4185, 58.5393,
14.3021

 11.9183, 11.8881,
0.3576

 76.8369, 78.5663,
22.8822

 6.7599, 6.6675,
0.0000


 100.2034,
102.7077, 34.3489

 3.3574, 3.2550,
0.0000

 127.8833,
131.3481, 49.1206

 1.3455, 1.2663,
0.0000

 160.2420,
164.8717, 67.6159


 0.2169, 0.1149,
0.0000


 197.6448,


 0.0000, 0.0000,


203.6629, 90.2534


0.0000


 240.4571,
248.1062, 117.4515


 28.9644, 29.2911,
4.1272


 28.9644, 29.2911,
4.1272


 28.9646, 29.2917,
4.1273

 29.6818, 30.5486,
4.9135

 30.5231, 31.8890,
6.2487

 31.5278, 33.3297,
8.3375

 32.7151, 34.8786,
11.2787

 34.1010, 36.5424,
15.1564

■ 35.6998, 38.3273,
20.0443

■ 37.5242, 40.2386,
26.0089

■ 39.5859, 42.2814,
33.1109

■ 41.8959, 44.4602,
41.4065

Harmonies

Analogous

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



38.1103, 29.2911, 6.5043



28.9644, 29.2911, 4.1272



21.1644, 29.2911, 5.4645

Triad

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



28.9644, 29.2911, 4.1272



15.4722, 29.2911, 57.6768



43.9694, 29.2911, 66.2362

Complementary

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



28.9644, 29.2911, 4.1272



9.2026, 4.8955, 44.7154

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.



35.7903, 29.2911, 96.1444



28.9644, 29.2911, 4.1272



19.6040, 29.2911, 89.6660

Square

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



28.9644, 29.2911, 4.1272



14.3788, 29.2911, 28.8204



26.7457, 29.2911, 106.3932



47.8291, 29.2911, 35.1766

Rectangle

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



28.9644, 29.2911, 4.1272



17.5300, 29.2911, 9.0407



26.7457, 29.2911, 106.3932



41.5613, 29.2911, 77.2710

Sweetspot

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



28.9651, 29.2925, 4.1278



67.8512, 72.7689, 46.5485



19.7179, 10.1159, 3.1487



14.6698, 15.7455, 9.2325



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.9651, 29.2925, 4.1278



52.3310, 52.7421, 7.4221



26.4750, 38.4805, 6.0325



9.5782, 10.1594, 9.5630



20.5053, 20.7869, 2.9315



0.7650, 0.8170, 0.1174

Inverse Universe

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



9.2026, 4.8955, 44.7154



16.5412, 8.5896, 81.0219



9.6882, 4.0193, 44.5207



8.6769, 9.0310, 11.3653



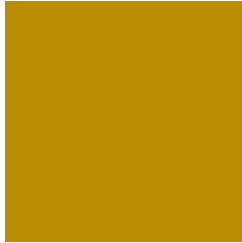
6.5400, 3.5397, 31.5916



0.2771, 0.2179, 1.1292

Previews

White Background



This preview shows how the XYZ color 28.9644, 29.2911, 4.1272 looks on a white background.

Color Contrast Check

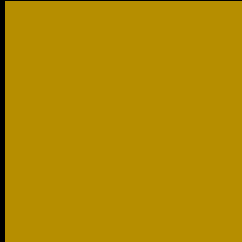
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9644, 29.2911, 4.1272 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 28.9644, 29.2911, 4.1272

Background



This preview shows how black text looks on a background with the XYZ color 28.9644, 29.2911, 4.1272.



This preview shows how white text looks on a background with the XYZ color 28.9644, 29.2911,

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

28.9644, 29.2911, 4.1272

Protanopia

26.5756, 29.4150, 4.5354

Deuteranopia

29.9264, 29.3429, 4.3736



Tritanopia

34.1200, 29.2743, 29.4434

Trichromacy



Original Color

28.9644, 29.2911, 4.1272

Protanomaly

27.3250, 29.3416, 4.3956

Deuteranomaly

29.5653, 29.3772, 4.2844

Tritanomaly

30.8993, 28.7856, 13.6005

Monochromacy



Original Color

28.9644, 29.2911, 4.1272

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.3205, 26.0398, 12.9769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9644, 29.2911, 4.1272 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(182, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 142, 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(182, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 142, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.9644, 29.2911, 4.1272 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(182, 142, 0) }
```


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

```
.border{ border-color:rgb(182, 142, 0) }
```

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

Here you see how a box with a 4 pixel rgb(182, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 142,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9644, 29.2911, 4.1272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 142, 0) }
```

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

```
.background{ background-color: rgb(182,  
142, 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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