

Converting Colors

XYZ(29.4834, 28.8522, 4.0151)

Have a look what the booklet for
XYZ(29.4834, 28.8522, 4.0151)
contains.

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Color

**XYZ(29.4823, 28.9043,
4.0252)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8B00
RGB	186, 139, 0
RGB Percent	73%, 55%, 0%
CMY	0.2706, 0.4549, 1.0000
CMYK	0.00, 0.25, 1.00, 0.27
HSL	45°, 100%, 36%
HSV	45°, 100%, 73%
XYZ	29.4823, 28.9043, 4.0252
YIQ	137.2070, 72.6310, -33.2650

Conversions

Conversions Part 2

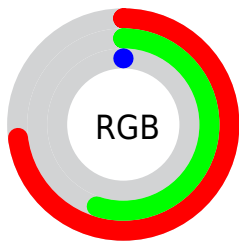
Format	Color
RYB	63, 186, 0
Decimal	12225280
CIELab	60.70, 7.87, 65.61
CIELCh	61, 66.082, 83.158
Yxy	28.9043, 0.4724, 0.4631
Android (android.graphics.Color)	4290415360 (0xFFBA8B00)
YUV	137.2070, -67.6431, 42.7915
Hunter-Lab	53.7627, 3.8007, 33.1949

Details

The XYZ color **29.4823, 28.9043, 4.0252** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.8797, 5.5786, 47.0101**, and the grayscale version is **24.0863, 25.3406, 27.5959**.

A 20% lighter version of the original color is **58.3447, 57.9284, 14.0674**, and **12.4745, 11.7340, 1.6074** is the 20% darker color. If you saturate the color by 10%, you get **29.4825, 28.9049, 4.0253**, and if you desaturate by 10%, it is **30.2924, 30.3419, 4.8588**.

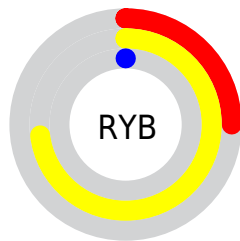
Distribution



Red (73%)

Green (55%)

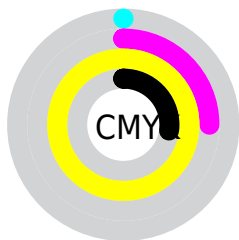
Blue (0%)



Red (25%)

Yellow (73%)

Blue (0%)

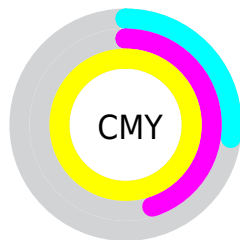


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4823, 28.9043, 4.0252 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 29.4823, 28.9043, 4.0252 by changing the saturation by 10% instead.


 29.4823, 28.9043,
4.0252


 29.4823, 28.9043,
4.0252


291.4371,
296.7632, 148.5051


 19.5921, 19.0084,
1.6392


 58.2348, 57.9250,
14.0678


 12.2054, 11.6764,
0.3185


 77.8277, 77.8186,
22.5615

 6.9569, 6.5237,
0.0000


 101.3857,
101.8136, 33.9282

 3.4813, 3.1661,
0.0000

 129.2739,
130.2944, 48.5864

 1.4131, 1.2190,
0.0000

 161.8578,
163.6454, 66.9546


 0.2655, 0.0772,
0.0000


 199.5028,


 0.0000, 0.0000,


202.2509, 89.4515


0.0000


 242.5741,
246.4953, 116.4954


 29.4823, 28.9043,
4.0252


 29.4823, 28.9043,
4.0252


 29.4825, 28.9049,
4.0253

 30.2924, 30.3419,
4.8588

 31.2402, 31.8808,
6.2747

 32.3670, 33.5393,
8.4849

 33.6929, 35.3258,
11.5941

 35.2350, 37.2479,
15.6908

■ 37.0085, 39.3122,
20.8531

■ 39.0270, 41.5245,
27.1512

■ 41.3030, 43.8904,
34.6491

■ 43.8480, 46.4151,
43.4062

Harmonies

Analogous

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



38.5821, 28.9043, 6.8004



29.4823, 28.9043, 4.0252



21.4897, 28.9043, 4.9707

Triad

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



29.4823, 28.9043, 4.0252



14.9389, 28.9043, 53.9127



42.8787, 28.9043, 69.0857

Complementary

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



29.4823, 28.9043, 4.0252



9.8797, 5.5786, 47.0101

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.



34.4743, 28.9043, 97.8354



29.4823, 28.9043, 4.0252



18.7311, 28.9043, 86.3452

Square

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



29.4823, 28.9043, 4.0252



14.1471, 28.9043, 26.1793



25.5565, 28.9043, 105.4050



47.2909, 28.9043, 37.4336

Rectangle

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



29.4823, 28.9043, 4.0252



17.6744, 28.9043, 8.0762



25.5565, 28.9043, 105.4050



40.3525, 28.9043, 79.9600

Sweetspot

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



29.4829, 28.9057, 4.0258



70.5447, 75.0583, 48.5894



20.8169, 10.6662, 3.9350



15.1836, 16.1488, 9.5878



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.4829, 28.9057, 4.0258



53.2358, 51.9855, 7.2284



28.8177, 40.9217, 6.3801



9.5529, 10.1087, 9.5546



19.8972, 19.5709, 2.7289



0.7477, 0.7825, 0.1116

Inverse Universe

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



9.8797, 5.5786, 47.0101



17.7446, 9.7858, 85.1550



9.8764, 4.0678, 46.7186



8.7006, 9.0785, 11.3732



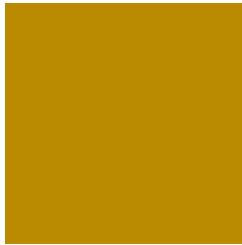
6.6982, 3.8561, 31.6443



0.2871, 0.2379, 1.1325

Previews

White Background



This preview shows how the XYZ color 29.4823, 28.9043, 4.0252 looks on a white background.

Color Contrast Check

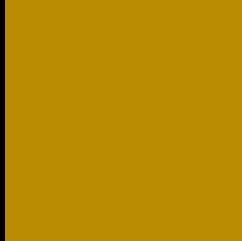
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4823, 28.9043, 4.0252 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 29.4823, 28.9043, 4.0252

Background



This preview shows how black text looks on a background with the XYZ color 29.4823, 28.9043, 4.0252.



This preview shows how white text looks on a background with the XYZ color 29.4823, 28.9043,

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

29.4823, 28.9043, 4.0252

Protanopia

26.2144, 28.9963, 4.5024

Deuteranopia

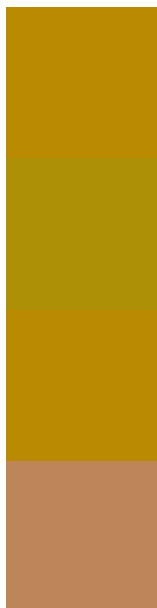
29.4823, 28.9043, 4.0252



Tritanopia

34.5028, 28.9021, 28.1863

Trichromacy



Original Color

29.4823, 28.9043, 4.0252

Protanomaly

27.2397, 28.8439, 4.3040

Deuteranomaly

29.4823, 28.9043, 4.0252

Tritanomaly

31.3842, 28.4268, 13.0653

Monochromacy



Original Color

29.4823, 28.9043, 4.0252

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.3263, 25.8336, 12.7211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4823, 28.9043, 4.0252 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(186, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 139, 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(186, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.4823, 28.9043, 4.0252 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(186, 139, 0) }
```


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

```
.border{ border-color:rgb(186, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 139,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4823, 28.9043, 4.0252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 139, 0) }
```

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

```
.background{ background-color: rgb(186,  
139, 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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