

Converting Colors

XYZ(29.6551, 28.1562, 3.8717)

Have a look what the booklet for
XYZ(29.6551, 28.1562, 3.8717)
contains.

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Color

**XYZ(29.6502, 28.1468,
3.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8700
RGB	189, 135, 0
RGB Percent	74%, 53%, 0%
CMY	0.2588, 0.4706, 1.0000
CMYK	0.00, 0.29, 1.00, 0.26
HSL	43°, 100%, 37%
HSV	43°, 100%, 74%
XYZ	29.6502, 28.1468, 3.8701
YIQ	135.7560, 75.5190, -30.5370

Conversions

Conversions Part 2

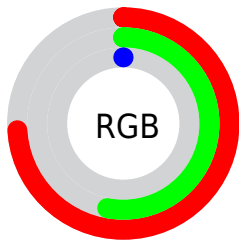
Format	Color
RYB	76, 189, 0
Decimal	12420864
CIELab	60.02, 11.43, 65.31
CIELCh	60, 66.305, 80.076
Yxy	28.1468, 0.4808, 0.4564
Android (android.graphics.Color)	4290610944 (0xFFBD8700)
YUV	135.7560, -66.9277, 46.6950
Hunter-Lab	53.0536, 6.9151, 32.8125

Details

The XYZ color **29.6502, 28.1468, 3.8701** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.5046, 6.3127, 48.8084**, and the grayscale version is **23.5342, 24.7598, 26.9634**.

A 20% lighter version of the original color is **58.5131, 56.7326, 13.6609**, and **12.5337, 11.4014, 1.5401** is the 20% darker color. If you saturate the color by 10%, you get **29.6504, 28.1475, 3.8703**, and if you desaturate by 10%, it is **30.5402, 29.7402, 4.7428**.

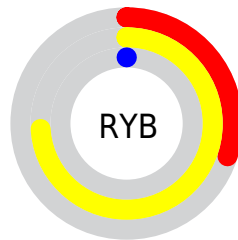
Distribution



Red (74%)

Green (53%)

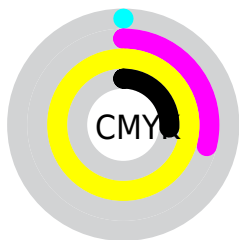
Blue (0%)



Red (30%)

Yellow (74%)

Blue (0%)

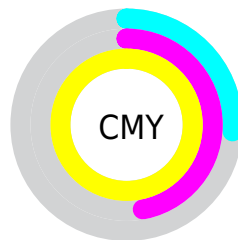


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6502, 28.1468, 3.8701 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 29.6502, 28.1468, 3.8701 by changing the saturation by 10% instead.

■ 29.6502, 28.1468,
3.8701

■ 29.6502, 28.1468,
3.8701

292.2097,
293.1677, 146.7704

■ 19.7200, 18.4363,
1.5544

■ 58.4990, 56.7187,
13.7090

■ 12.2987, 11.2637,
0.2579

■ 78.1483, 76.3490,
22.0693

■ 7.0211, 6.2445,
0.0000

■ 101.7679,
100.0547, 33.2815

■ 3.5218, 2.9943,
0.0000

■ 129.7234,
128.2201, 47.7642

■ 1.4353, 1.1288,
0.0000

■ 162.3799,
161.2298, 65.9359


■ 0.2812, 0.0023,
0.0000


■ 200.1029,


■ 0.0000, 0.0000,


199.4680, 88.2151


0.0000


 243.2577,
243.3192, 115.0205


 29.6502, 28.1468,
3.8701


 29.6502, 28.1468,
3.8701


 29.6504, 28.1475,
3.8703

 30.5402, 29.7402,
4.7428

 31.5816, 31.4550,
6.2245

 32.8168, 33.3103,
8.5328

 34.2670, 35.3152,
11.7767

 35.9502, 37.4779,
16.0488

■ 37.8824, 39.8055,
21.4301

■ 40.0778, 42.3046,
27.9938

■ 42.5495, 44.9812,
35.8064

■ 45.3098, 47.8409,
44.9298

Harmonies

Analogous

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



38.5870, 28.1468, 7.0267



29.6502, 28.1468, 3.8701



21.5562, 28.1468, 4.4314

Triad

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



29.6502, 28.1468, 3.8701



14.2147, 28.1468, 49.5455



41.2398, 28.1468, 71.2349

Complementary

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



29.6502, 28.1468, 3.8701



10.5046, 6.3127, 48.8084

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.



32.7236, 28.1468, 98.3740



29.6502, 28.1468, 3.8701



17.6252, 28.1468, 81.9427

Square

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



29.6502, 28.1468, 3.8701



13.7323, 28.1468, 23.3101



24.0504, 28.1468, 103.0826



46.1501, 28.1468, 39.3817

Rectangle

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



29.6502, 28.1468, 3.8701



17.6002, 28.1468, 7.0565



24.0504, 28.1468, 103.0826



38.6293, 28.1468, 81.7897

Sweetspot

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



29.6508, 28.1482, 3.8706



71.5784, 75.5444, 49.5172



21.7173, 11.1114, 4.8326



15.0256, 15.8329, 9.5352



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.



29.6508, 28.1482, 3.8706



52.8896, 49.9828, 6.8601



30.9973, 42.9933, 6.6651



10.0857, 10.6473, 10.1002



20.0177, 19.0743, 2.6267



0.8373, 0.8535, 0.1206

Inverse Universe

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



10.5046, 6.3127, 48.8084



18.6372, 10.9529, 87.3580



9.9775, 4.0827, 48.4057



9.2326, 9.6574, 12.0497



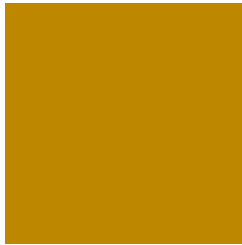
7.1250, 4.3617, 32.8593



0.3370, 0.2866, 1.3064

Previews

White Background



This preview shows how the XYZ color 29.6502, 28.1468, 3.8701 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 29.6502, 28.1468, 3.8701 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 29.6502, 28.1468, 3.8701

Background



This preview shows how black text looks on a background with the XYZ color 29.6502, 28.1468, 3.8701.



This preview shows how white text looks on a background with the XYZ color 29.6502, 28.1468,

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

29.6502, 28.1468, 3.8701

Protanopia

25.4956, 28.1675, 4.4097

Deuteranopia

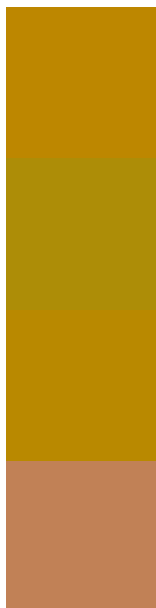
28.6169, 28.2442, 3.9434



Tritanopia

34.2125, 28.0186, 26.5266

Trichromacy



Original Color

29.6502, 28.1468, 3.8701

Protanomaly

26.7968, 27.9493, 4.1834

Deuteranomaly

28.9532, 28.2056, 3.9182

Tritanomaly

31.5223, 27.7099, 12.4912

Monochromacy



Original Color

29.6502, 28.1468, 3.8701

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.0420, 25.2650, 12.6263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6502, 28.1468, 3.8701 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(189, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 135, 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(189, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6502, 28.1468, 3.8701 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(189, 135, 0) }
```


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

```
.border{ border-color:rgb(189, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 135,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6502, 28.1468, 3.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 135, 0) }
```

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

```
.background{ background-color: rgb(189,  
135, 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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