

Converting Colors

XYZ(29.9888, 29.8631, 4.1836)

Have a look what the booklet for
XYZ(29.9888, 29.8631, 4.1836)
contains.

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Color

**XYZ(29.9227, 29.7851,
4.1720)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8E00
RGB	186, 142, 0
RGB Percent	73%, 56%, 0%
CMY	0.2706, 0.4431, 1.0000
CMYK	0.00, 0.24, 1.00, 0.27
HSL	46°, 100%, 36%
HSV	46°, 100%, 73%
XYZ	29.9227, 29.7851, 4.1720
YIQ	138.9680, 71.8060, -34.8340

Conversions

Conversions Part 2

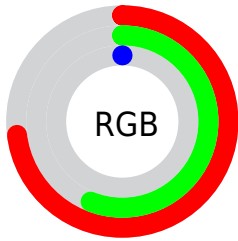
Format	Color
RYB	58, 186, 0
Decimal	12226048
CIELab	61.47, 6.22, 66.14
CIElCh	61, 66.433, 84.624
Yxy	29.7851, 0.4684, 0.4663
Android (android.graphics.Color)	4290416128 (0xFFBA8E00)
YUV	138.9680, -68.5112, 41.2471
Hunter-Lab	54.5757, 2.3602, 33.6706

Details

The XYZ color **29.9227, 29.7851, 4.1720** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.7639, 5.3470, 46.9715**, and the grayscale version is **24.7657, 26.0554, 28.3744**.

A 20% lighter version of the original color is **59.0426, 59.2722, 14.4597**, and **12.7292, 12.2435, 1.6923** is the 20% darker color. If you saturate the color by 10%, you get **29.9229, 29.7858, 4.1721**, and if you desaturate by 10%, it is **30.7052, 31.1675, 4.9964**.

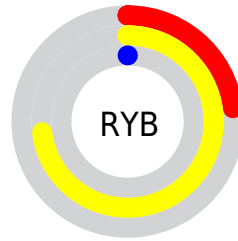
Distribution



Red (73%)

Green (56%)

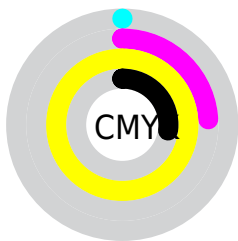
Blue (0%)



Red (23%)

Yellow (73%)

Blue (0%)

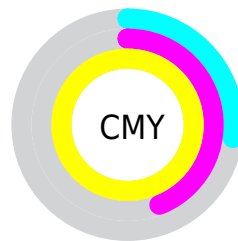


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9227, 29.7851, 4.1720 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 29.9227, 29.7851, 4.1720 by changing the saturation by 10% instead.

■ 29.9227, 29.7851,
4.1720

■ 29.9227, 29.7851,
4.1720

293.4603,
300.9015, 150.1184

■ 19.9277, 19.6755,
1.7202

■ 58.9274, 59.3222,
14.4045

■ 12.4505, 12.1594,
0.3745

■ 78.6678, 79.5184,
23.0223

■ 7.1256, 6.8523,
0.0000

■ 102.3873,
103.8457, 34.5325

■ 3.5878, 3.3699,
0.0000

■ 130.4514,
132.6885, 49.3536

■ 1.4717, 1.3278,
0.0000

■ 163.2254,
166.4310, 67.9043

■ 0.3065, 0.1626,
0.0000

■ 201.0747,

■ 0.0000, 0.0000,

205.4578, 90.6029

0.0000

244.3645,
250.1531, 117.8681

29.9227, 29.7851,
4.1720

29.9227, 29.7851,
4.1720

29.9229, 29.7858,
4.1721

30.7052, 31.1675,
4.9964

31.6220, 32.6443,
6.4020

32.7141, 34.2334,
8.6007

34.0017, 35.9435,
11.6971

35.5019, 37.7817,
15.7799

■ 37.2297, 39.7546,
20.9270

■ 39.1988, 41.8680,
27.2086

■ 41.4214, 44.1273,
34.6888

■ 43.9092, 46.5375,
43.4269

Harmonies

Analogous

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



39.2621, 29.7851, 6.8126



29.9227, 29.7851, 4.1720



21.8371, 29.7851, 5.3327

Triad

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



29.9227, 29.7851, 4.1720



15.5601, 29.7851, 57.0605



44.4427, 29.7851, 69.2883

Complementary

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



29.9227, 29.7851, 4.1720



9.7639, 5.3470, 46.9715

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.



35.9497, 29.7851, 99.3097



29.9227, 29.7851, 4.1720



19.6110, 29.7851, 90.0521

Square

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



29.9227, 29.7851, 4.1720



14.5995, 29.7851, 28.1049



26.7560, 29.7851, 108.4046



48.6845, 29.7851, 37.1795

Rectangle

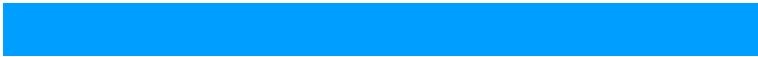
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.9227, 29.7851, 4.1720



18.0222, 29.7851, 8.7429



26.7560, 29.7851, 108.4046



41.9150, 29.7851, 80.5038

Sweetspot

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



29.9234, 29.7866, 4.1726



70.8606, 75.6902, 48.6947



20.7529, 10.6405, 3.5976



15.2617, 16.3050, 9.6139



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.



29.9234, 29.7866, 4.1726



54.0418, 53.5975, 7.4970



28.2904, 40.6499, 6.3555



9.5653, 10.1335, 9.5587



20.1912, 20.1587, 2.8268



0.7561, 0.7993, 0.1144

Inverse Universe

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



9.7639, 5.3470, 46.9715



17.5427, 9.3821, 85.0877



10.0127, 4.1381, 46.7250



8.6890, 9.0552, 11.3693



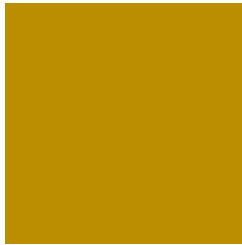
6.6179, 3.6954, 31.6176



0.2822, 0.2281, 1.1309

Previews

White Background



This preview shows how the XYZ color 29.9227, 29.7851, 4.1720 looks on a white background.

Color Contrast Check

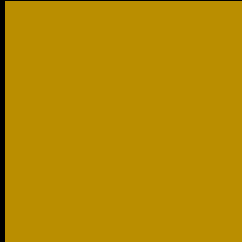
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9227, 29.7851, 4.1720 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 29.9227, 29.7851, 4.1720

Background



This preview shows how black text looks on a background with the XYZ color 29.9227, 29.7851, 4.1720.



This preview shows how white text looks on a background with the XYZ color 29.9227, 29.7851,

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

29.9227, 29.7851, 4.1720

Protanopia

26.9507, 29.8416, 4.6267

Deuteranopia

30.3023, 29.7565, 4.3475



Tritanopia

35.1261, 29.7930, 29.4905

Trichromacy



Original Color

29.9227, 29.7851, 4.1720

Protanomaly

27.9910, 29.6849, 4.4268

Deuteranomaly

30.0403, 29.6233, 4.2494

Tritanomaly

31.8848, 29.2937, 13.6466

Monochromacy



Original Color

29.9227, 29.7851, 4.1720

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.8498, 26.5287, 13.0433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9227, 29.7851, 4.1720 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, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 142, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.9227, 29.7851, 4.1720 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, 142, 0) }
```


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

```
.border{ border-color:rgb(186, 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(186, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 142,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9227, 29.7851, 4.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 142, 0) }
```

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

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