

Converting Colors

XYZ(28.9966, 29.6874, 4.2020)

Have a look what the booklet for
XYZ(28.9966, 29.6874, 4.2020)
contains.

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Color

**XYZ(29.0293, 29.7703,
4.2162)**

Conversions

Conversions Part 1

Format	Color
Hex	B59000
RGB	181, 144, 0
RGB Percent	71%, 56%, 0%
CMY	0.2902, 0.4353, 1.0000
CMYK	0.00, 0.20, 1.00, 0.29
HSL	48°, 100%, 35%
HSV	48°, 100%, 71%
XYZ	29.0293, 29.7703, 4.2162
YIQ	138.6470, 68.2760, -36.9400

Conversions

Conversions Part 2

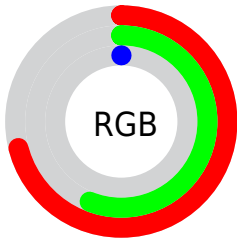
Format	Color
RYB	47, 181, 0
Decimal	11898880
CIELab	61.46, 2.86, 65.88
CIELCh	61, 65.943, 87.514
Yxy	29.7703, 0.4607, 0.4724
Android (android.graphics.Color)	4290088960 (0xFFB59000)
YUV	138.6470, -68.3530, 37.1436
Hunter-Lab	54.5622, -0.5145, 33.6120

Details

The XYZ color **29.0293, 29.7703, 4.2162** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.0022, 4.6596, 44.1406**, and the grayscale version is **24.6420, 25.9253, 28.2326**.

A 20% lighter version of the original color is **57.4116, 59.1012, 14.5126**, and **12.1711, 12.2164, 1.7165** is the 20% darker color. If you saturate the color by 10%, you get **29.0296, 29.7711, 4.2164**, and if you desaturate by 10%, it is **29.7096, 30.9550, 4.9861**.

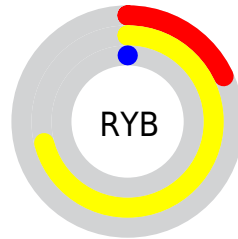
Distribution



Red (71%)

Green (56%)

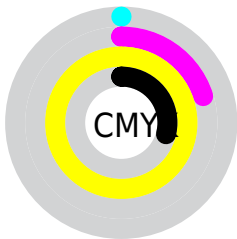
Blue (0%)



Red (18%)

Yellow (71%)

Blue (0%)

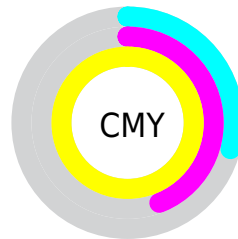


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0293, 29.7703, 4.2162 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 29.0293, 29.7703, 4.2162 by changing the saturation by 10% instead.

■ 29.0293, 29.7703,
4.2162

■ 29.0293, 29.7703,
4.2162

289.3449,
300.8323, 150.5989

■ 19.2474, 19.6643,
1.7447

■ 57.5209, 59.2987,
14.5054

■ 11.9542, 12.1513,
0.3911

■ 76.9612, 79.4900,
23.1601

■ 6.7845, 6.8468,
0.0000

■ 100.3518,
103.8117, 34.7131

■ 3.3728, 3.3665,
0.0000

■ 128.0579,
132.6484, 49.5827

■ 1.3538, 1.3259,
0.0000

■ 160.4449,
166.3844, 68.1875

■ 0.2230, 0.1611,
0.0000

■ 197.8782,

■ 0.0000, 0.0000,

205.4041, 90.9462

0.0000

240.7230,
250.0920, 118.2771

29.0293, 29.7703,
4.2162

29.0293, 29.7703,
4.2162

29.0296, 29.7711,
4.2164

29.7096, 30.9550,
4.9861

30.5093, 32.2159,
6.2962

31.4677, 33.5703,
8.3495

32.6034, 35.0257,
11.2435

33.9323, 36.5889,
15.0610

■ 35.4683, 38.2657,
19.8748

■ 37.2242, 40.0613,
25.7503

■ 39.2113, 41.9807,
32.7476

■ 41.4404, 44.0284,
40.9221

Harmonies

Analogous

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



38.2902, 29.7703, 6.4388



29.0293, 29.7703, 4.2162



21.2354, 29.7703, 5.7555

Triad

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



29.0293, 29.7703, 4.2162



15.8782, 29.7703, 60.0428



44.9262, 29.7703, 65.6500

Complementary

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



29.0293, 29.7703, 4.2162



9.0022, 4.6596, 44.1406

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.



36.7697, 29.7703, 96.3763



29.0293, 29.7703, 4.2162



20.2120, 29.7703, 92.1334

Square

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



29.0293, 29.7703, 4.2162



14.6329, 29.7703, 30.3762



27.5747, 29.7703, 107.9468



48.5697, 29.7703, 34.5426

Rectangle

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



29.0293, 29.7703, 4.2162



17.6448, 29.7703, 9.5966



27.5747, 29.7703, 107.9468



42.5487, 29.7703, 76.8662

Sweetspot

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



29.0300, 29.7718, 4.2168



66.4992, 71.5814, 45.5379



19.4259, 9.9719, 2.8399



14.0823, 15.1784, 8.8570



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.



29.0300, 29.7718, 4.2168



51.8247, 52.9856, 7.4958



25.6866, 37.7711, 5.9370



9.0466, 9.6058, 9.0298



20.0629, 20.6244, 2.9235



0.6686, 0.7236, 0.1044

Inverse Universe

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



9.0022, 4.6596, 44.1406



15.9926, 8.0851, 79.0123



9.7204, 4.0478, 43.9846



8.1780, 8.5023, 10.7164



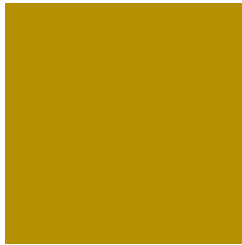
6.2469, 3.2942, 30.4436



0.2375, 0.1855, 0.9715

Previews

White Background



This preview shows how the XYZ color 29.0293, 29.7703, 4.2162 looks on a white background.

Color Contrast Check

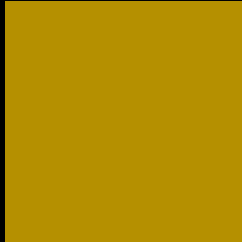
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0293, 29.7703, 4.2162 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 29.0293, 29.7703, 4.2162

Background



This preview shows how black text looks on a background with the XYZ color 29.0293, 29.7703, 4.2162.



This preview shows how white text looks on a background with the XYZ color 29.0293, 29.7703,

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

29.0293, 29.7703, 4.2162

Protanopia

26.9397, 29.8373, 4.5690

Deuteranopia

30.3303, 29.7677, 4.4950



Tritanopia

34.2982, 29.7552, 30.3212

Trichromacy



Original Color

29.0293, 29.7703, 4.2162

Protanomaly

27.6947, 29.7626, 4.4287

Deuteranomaly

29.7244, 29.6778, 4.3915

Tritanomaly

31.0278, 29.2640, 14.1384

Monochromacy



Original Color

29.0293, 29.7703, 4.2162

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.6128, 26.6244, 13.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0293, 29.7703, 4.2162 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(181, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 144, 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(181, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 144, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.0293, 29.7703, 4.2162 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(181, 144, 0) }
```


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

```
.border{ border-color:rgb(181, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 144,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0293, 29.7703, 4.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 144, 0) }
```

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

```
.background{ background-color: rgb(181,  
144, 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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