

Converting Colors

XYZ(29.2205, 31.8617, 4.6107)

Have a look what the booklet for
XYZ(29.2205, 31.8617, 4.6107)
contains.

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Color

**XYZ(29.2957, 32.0126,
4.6350)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B09900 |
| RGB | 176, 153, 0 |
| RGB Percent | 69%, 60%, 0% |
| CMY | 0.3098, 0.4000, 0.9999 |
| CMYK | 0.00, 0.13, 1.00, 0.31 |
| HSL | 52°, 100%, 35% |
| HSV | 52°, 100%, 69% |
| XYZ | 29.2957, 32.0126, 4.6350 |
| YIQ | 142.4350, 62.8210, -42.7070 |

Conversions

Conversions Part 2

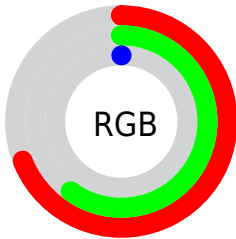
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 26, 176, 0 |
| Decimal | 11573504 |
| CIE Lab | 63.35, -4.29, 66.98 |
| CIE LCh | 63, 67.121, 93.667 |
| Yxy | 32.0126, 0.4443, 0.4855 |
| Android (android.graphics.Color) | 4289763584 (0xFFB09900) |
| YUV | 142.4350, -70.2205, 29.4365 |
| Hunter-Lab | 56.5797, -6.5911, 34.7487 |

Details

The XYZ color **29.2957, 32.0126, 4.6350** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.1431, 3.7477, 41.3680**, and the grayscale version is **26.1377, 27.4989, 29.9463**.

A 20% lighter version of the original color is **57.7764, 62.7689, 15.3738**, and **12.3591, 13.4247, 1.9398** is the 20% darker color. If you saturate the color by 10%, you get **29.2961, 32.0136, 4.6352**, and if you desaturate by 10%, it is **29.7824, 32.8166, 5.3203**.

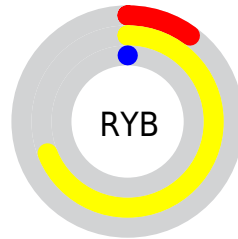
Distribution



Red (69%)

Green (60%)

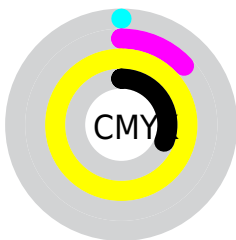
Blue (0%)



Red (10%)

Yellow (69%)

Blue (0%)

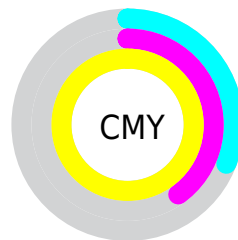


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2957, 32.0126, 4.6350 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 29.2957, 32.0126, 4.6350 by changing the saturation by 10% instead.


 29.2957, 32.0126,
4.6350


 29.2957, 32.0126,
4.6350


290.5767,
311.1766, 155.0416

 19.4500, 21.3711,
1.9798


 57.9409, 62.8308,
15.4496


 12.1018, 13.3956,
0.5428


 77.4711, 83.7764,
24.4461


 6.8858, 7.7015,
0.0000


 100.9602,
108.9254, 36.3935

 3.4365, 3.9045,
0.0000

 128.7736,
138.6623, 51.7102

 1.3886, 1.6203,
0.0000

 161.2766,
173.3715, 70.8148


 0.2480, 0.3712,
0.0000


 198.8345,


 0.0000, 0.0000,


213.4374, 94.1259


0.0000


 241.8128,
259.2443, 122.0620


 29.2957, 32.0126,
4.6350


 29.2957, 32.0126,
4.6350


 29.2961, 32.0136,
4.6352

 29.7824, 32.8166,
5.3203

 30.3703, 33.6715,
6.5053

 31.0967, 34.5936,
8.3839

 31.9790, 35.5898,
11.0469

 33.0319, 36.6661,
14.5715

■ 34.2683, 37.8277,
19.0256

■ 35.6997, 39.0793,
24.4702

■ 37.3369, 40.4253,
30.9611

■ 39.1898, 41.8696,
38.5502

Harmonies

Analogous

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



39.0846, 32.0126, 6.1318



29.2957, 32.0126, 4.6350



21.5380, 32.0126, 7.2206

Triad

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



29.2957, 32.0126, 4.6350



17.8211, 32.0126, 71.7311



49.4698, 32.0126, 62.9240

Complementary

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



29.2957, 32.0126, 4.6350



8.1431, 3.7477, 41.3680

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.



41.4766, 32.0126, 97.3580



29.2957, 32.0126, 4.6350



23.1528, 32.0126, 104.0113

Square

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



29.2957, 32.0126, 4.6350



15.8233, 32.0126, 38.2413



31.5871, 32.0126, 115.2066



52.0322, 32.0126, 31.6771

Rectangle

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



29.2957, 32.0126, 4.6350



18.1578, 32.0126, 12.4405



31.5871, 32.0126, 115.2066



47.2586, 32.0126, 74.9411

Sweetspot

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



29.2964, 32.0141, 4.6356



64.6008, 70.7527, 43.8084



18.0639, 9.2941, 1.6778



13.7610, 15.1275, 8.5747



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.2964, 32.0141, 4.6356



53.0148, 57.8241, 8.3670



22.1402, 34.4605, 5.4850



9.1005, 9.7135, 9.0478



21.5257, 23.5499, 3.4111



0.7035, 0.7934, 0.1161

Inverse Universe

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



8.1431, 3.7477, 41.3680



14.6767, 6.6130, 74.9982



9.9862, 4.2431, 41.3665



8.1285, 8.4033, 10.6999



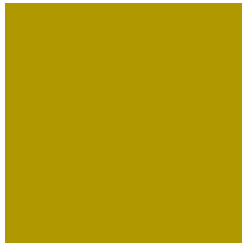
5.9998, 2.7999, 30.3612



0.2171, 0.1447, 0.9647

Previews

White Background



This preview shows how the XYZ color 29.2957, 32.0126, 4.6350 looks on a white background.

Color Contrast Check

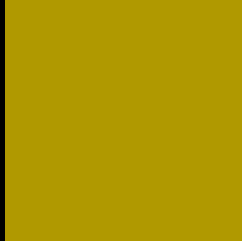
Large Text (above 18pt) WCAG AA × Fail

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 29.2957, 32.0126, 4.6350 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2957, 32.0126, 4.6350

Background



This preview shows how black text looks on a background with the XYZ color 29.2957, 32.0126, 4.6350.

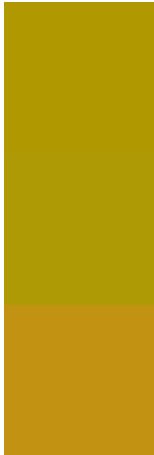


This preview shows how white text looks on a background with the XYZ color 29.2957, 32.0126,

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

29.2957, 32.0126, 4.6350

Protanopia

28.8111, 32.0042, 4.7738

Deuteranopia

32.6362, 32.0708, 5.0424



Tritanopia

35.4304, 31.9602, 34.4385

Trichromacy



Original Color

29.2957, 32.0126, 4.6350

Protanomaly

29.0276, 32.1164, 4.7553

Deuteranomaly

31.3014, 32.0838, 4.8597

Tritanomaly

31.7280, 31.3659, 15.6912

Monochromacy



Original Color

29.2957, 32.0126, 4.6350

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.4508, 28.1660, 13.7680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2957, 32.0126, 4.6350 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(176, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 153, 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(176, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.2957, 32.0126, 4.6350 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(176, 153, 0) }
```


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

```
.border{ border-color:rgb(176, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 153,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2957, 32.0126, 4.6350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 153, 0) }
```

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

```
.background{ background-color: rgb(176,  
153, 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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