

Converting Colors

XYZ(29.3082, 31.8922, 4.6111)

Have a look what the booklet for
XYZ(29.3082, 31.8922, 4.6111)
contains.

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Color

**XYZ(29.1327, 31.6866,
4.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	B09800
RGB	176, 152, 0
RGB Percent	69%, 60%, 0%
CMY	0.3098, 0.4039, 0.9999
CMYK	0.00, 0.14, 1.00, 0.31
HSL	52°, 100%, 35%
HSV	52°, 100%, 69%
XYZ	29.1327, 31.6866, 4.5807
YIQ	141.8480, 63.0960, -42.1840

Conversions

Conversions Part 2

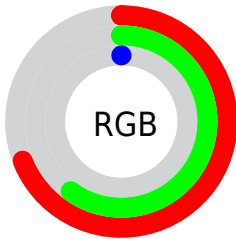
Format	Color
R _Y B	28, 176, 0
Decimal	11573248
CIE Lab	63.08, -3.76, 66.79
CIE LCh	63, 66.896, 93.218
Yxy	31.6866, 0.4455, 0.4845
Android (android.graphics.Color)	4289763328 (0xFFB09800)
YUV	141.8480, -69.9311, 29.9513
Hunter-Lab	56.2909, -6.1283, 34.5788

Details

The XYZ color **29.1327, 31.6866, 4.5807** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.1634, 3.7882, 41.3748**, and the grayscale version is **25.9027, 27.2517, 29.6771**.

A 20% lighter version of the original color is **57.8660, 62.4565, 15.3088**, and **12.3591, 13.4247, 1.9398** is the 20% darker color. If you saturate the color by 10%, you get **29.1330, 31.6875, 4.5808**, and if you desaturate by 10%, it is **29.6328, 32.5174, 5.2705**.

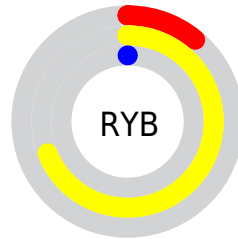
Distribution



Red (69%)

Green (60%)

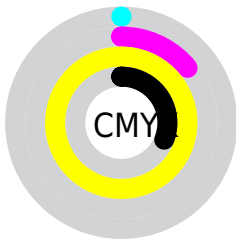
Blue (0%)



Red (11%)

Yellow (69%)

Blue (0%)

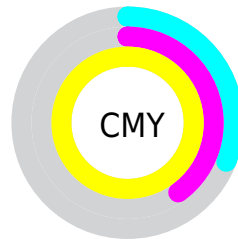


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1327, 31.6866, 4.5807 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 29.1327, 31.6866, 4.5807 by changing the saturation by 10% instead.

■ 29.1327, 31.6866,
4.5807

■ 29.1327, 31.6866,
4.5807

289.8235,
309.6891, 154.4763

■ 19.3260, 21.1222,
1.9490

■ 57.6840, 62.3195,
15.3283

■ 12.0115, 13.2134,
0.5237

■ 77.1592, 83.1567,
24.2813

■ 6.8238, 7.5756,
0.0000

■ 100.5881,
108.1871, 36.1785

■ 3.3975, 3.8246,
0.0000

■ 128.3359,
137.7950, 51.4385

■ 1.3673, 1.5760,
0.0000

■ 160.7680,
172.3647, 70.4797

■ 0.2327, 0.3413,
0.0000

■ 198.2497,

■ 0.0000, 0.0000,

212.2807, 93.7207

0.0000

■ 241.1464,
257.9274, 121.5801

■ 29.1327, 31.6866,
4.5807

■ 29.1327, 31.6866,
4.5807

■ 29.1330, 31.6875,
4.5808

■ 29.6328, 32.5174,
5.2705

■ 30.2347, 33.4004,
6.4602

■ 30.9758, 34.3518,
8.3437

■ 31.8735, 35.3786,
11.0119

■ 32.9423, 36.4868,
14.5419

■ 34.1953, 37.6816,
19.0015

■ 35.6440, 38.9678,
24.4519

■ 37.2992, 40.3496,
30.9489

■ 39.1706, 41.8312,
38.5442

Harmonies

Analogous

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



38.8342, 31.6866, 6.1244



29.1327, 31.6866, 4.5807



21.4103, 31.6866, 7.0696

Triad

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



29.1327, 31.6866, 4.5807



17.5854, 31.6866, 70.4679



48.8817, 31.6866, 62.8145

Complementary

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



29.1327, 31.6866, 4.5807



8.1634, 3.7882, 41.3748

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.



40.9127, 31.6866, 96.8076



29.1327, 31.6866, 4.5807



22.8132, 31.6866, 102.5902

Square

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



29.1327, 31.6866, 4.5807



15.6560, 31.6866, 37.4313



31.1236, 31.6866, 114.0939



51.5160, 31.6866, 31.7284

Rectangle

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



29.1327, 31.6866, 4.5807



18.0310, 31.6866, 12.1527



31.1236, 31.6866, 114.0939



46.6677, 31.6866, 74.7149

Sweetspot

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



29.1334, 31.6881, 4.5813



64.4979, 70.5469, 43.7741



18.0955, 9.3067, 1.8442



13.7358, 15.0772, 8.5663



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.



29.1334, 31.6881, 4.5813



52.7149, 57.2245, 8.2671



22.5174, 34.6549, 5.5027



9.0963, 9.7051, 9.0464



21.4071, 23.3128, 3.3715



0.7007, 0.7878, 0.1151

Inverse Universe

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



8.1634, 3.7882, 41.3748



14.7104, 6.6803, 75.0094



9.7987, 4.1464, 41.3577



8.1323, 8.4108, 10.7012



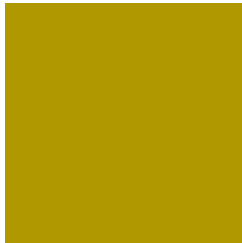
6.0154, 2.8311, 30.3664



0.2186, 0.1478, 0.9652

Previews

White Background



This preview shows how the XYZ color 29.1327, 31.6866, 4.5807 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 29.1327, 31.6866, 4.5807 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 29.1327, 31.6866, 4.5807

Background



This preview shows how black text looks on a background with the XYZ color 29.1327, 31.6866, 4.5807.

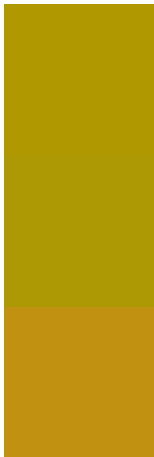


This preview shows how white text looks on a background with the XYZ color 29.1327, 31.6866,

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

29.1327, 31.6866, 4.5807

Protanopia

28.6467, 31.6755, 4.7190

Deuteranopia

32.2269, 31.6319, 4.9793



Tritanopia

35.2000, 31.6310, 33.9559

Trichromacy



Original Color

29.1327, 31.6866, 4.5807

Protanomaly

28.8632, 31.7877, 4.7005

Deuteranomaly

31.1438, 31.7688, 4.8071

Tritanomaly

31.5745, 31.0589, 15.6401

Monochromacy



Original Color

29.1327, 31.6866, 4.5807

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 29.1327, 31.6866, 4.5807 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, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 152, 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, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.1327, 31.6866, 4.5807 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, 152, 0) }
```


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

```
.border{ border-color:rgb(176, 152, 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, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1327, 31.6866, 4.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 152, 0) }
```

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

```
.background{ background-color: rgb(176,  
152, 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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