

# Converting Colors

XYZ(28.6867, 29.7063, 9.0487)

Have a look what the booklet for  
XYZ(28.6867, 29.7063, 9.0487)  
contains.

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# Color

**XYZ(28.7300, 29.7349,  
9.0757)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF9140
RGB	175, 145, 64
RGB Percent	69%, 57%, 25%
CMY	0.3137, 0.4314, 0.7490
CMYK	0.00, 0.17, 0.63, 0.31
HSL	44°, 46%, 47%
HSV	44°, 63%, 69%
XYZ	28.7300, 29.7349, 9.0757
YIQ	144.7360, 43.8810, -18.8310

# Conversions

## Conversions Part 2

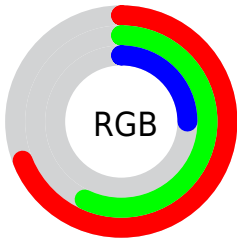
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	105, 175, 64
Decimal	11505984
CIE <sub>Lab</sub>	61.42, 1.83, 46.13
CIE <sub>LCh</sub>	61, 46.163, 87.726
Yxy	29.7349, 0.4254, 0.4403
Android (android.graphics.Color)	4289696064 (0xFFAF9140)
YUV	144.7360, -39.8028, 26.5415
Hunter-Lab	54.5297, -1.3809, 28.3028

# Details

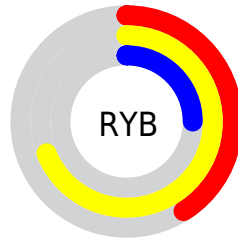
The XYZ color **28.7300, 29.7349, 9.0757** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.8548, 12.1902, 42.1799**, and the grayscale version is **26.9510, 28.3546, 30.8782**.

A 20% lighter version of the original color is **57.1222, 59.4083, 24.6759**, and **11.7547, 12.1283, 2.0086** is the 20% darker color. If you saturate the color by 10%, you get **27.6006, 28.1520, 6.6162**, and if you desaturate by 10%, it is **30.0471, 31.4434, 12.3693**.

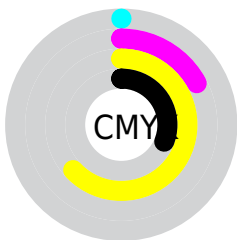
# Distribution



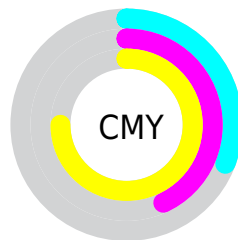
- Red (69%)
- Green (57%)
- Blue (25%)



- Red (41%)
- Yellow (69%)
- Blue (25%)



- Cyan (0%)
- Magenta (17%)
- Yellow (63%)
- Black (31%)



- Cyan (31%)
- Magenta (43%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7300, 29.7349, 9.0757 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 28.7300, 29.7349, 9.0757 by changing the saturation by 10% instead.





 28.7300, 29.7349,  
9.0757


 28.7300, 29.7349,  
9.0757


287.9561,  
300.6668, 194.1804


 19.0199, 19.6375,  
4.6931


 57.0484, 59.2427,  
24.6219


 11.7888, 12.1318,  
2.0128


 76.3874, 79.4218,  
36.6225

 6.6712, 6.8335,  
0.5631


 99.6667, 103.7303,  
51.9996

 3.3018, 3.3582,  
0.0000

 127.2518,  
132.5525, 71.1717

 1.3153, 1.3215,  
0.0000

 159.5079,  
166.2729, 94.5572

 0.1946, 0.1577,  
0.0000

196.8004,

 0.0000, 0.0000,

205.2758, 122.5749

0.0000

239.4947,  
249.9456, 155.6431

■ 28.7300, 29.7349,  
9.0757

■ 28.7300, 29.7349,  
9.0757

■ 27.6006, 28.1520,  
6.6162

■ 30.0471, 31.4434,  
12.3693

■ 26.6413, 26.6835,  
4.9089

■ 31.5635, 33.2791,  
16.5649

■ 25.8343, 25.3229,  
3.8583

■ 33.2919, 35.2489,  
21.7257

■ 25.3604, 24.4765,  
3.3878

■ 35.2436, 37.3578,  
27.9084

■ 37.4288, 39.6105,  
35.1654

■ 39.8571, 42.0112,  
43.5456

■ 42.5374, 44.5642,  
53.0946

■ 45.4783, 47.2734,  
63.8559

■ 48.6879, 50.1425,  
75.8703

# Harmonies

## Analogous

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



34.9984, 29.7349, 11.4715



28.7300, 29.7349, 9.0757



23.1493, 29.7349, 10.8170

# Triad

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



28.7300, 29.7349, 9.0757



19.1000, 29.7349, 50.6520



39.3832, 29.7349, 53.8267

# Complementary

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



28.7300, 29.7349, 9.0757



13.8548, 12.1902, 42.1799

# 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.



34.0772, 29.7349, 72.1374



28.7300, 29.7349, 9.0757



22.4509, 29.7349, 69.8879

# Square

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



28.7300, 29.7349, 9.0757



18.0885, 29.7349, 31.0618



27.7994, 29.7349, 78.8705



41.6752, 29.7349, 33.7272



# Rectangle

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



28.7300, 29.7349, 9.0757



20.4420, 29.7349, 14.6306



27.7994, 29.7349, 78.8705



37.8586, 29.7349, 60.6334

# Sweetspot

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



28.7307, 29.7363, 9.0763



64.6729, 68.5288, 55.0725



21.5988, 13.6155, 12.4241



14.1360, 14.9831, 11.4573



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.



28.7307, 29.7363, 9.0763



48.7297, 49.3735, 10.5096



29.0086, 37.6045, 10.5804



8.4769, 8.9585, 8.4958



18.2143, 17.6342, 2.4437



0.5488, 0.5747, 0.0820



# Inverse Universe

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



13.8548, 12.1902, 42.1799



20.0661, 15.6631, 74.6026



13.6008, 8.8395, 41.5466



7.7485, 8.0963, 10.1070



6.3224, 3.7787, 29.4407



0.2215, 0.1963, 0.8342



# Previews

## White Background



This preview shows how the XYZ color 28.7300, 29.7349, 9.0757 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 28.7300, 29.7349, 9.0757 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 28.7300, 29.7349, 9.0757**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.7300, 29.7349, 9.0757.



This preview shows how white text looks on a background with the XYZ color 28.7300, 29.7349,



# 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

28.7300, 29.7349, 9.0757

### Protanopia

27.2186, 29.8759, 9.3331

### Deuteranopia

30.2462, 29.6218, 9.1245



## Tritanopia

33.3620, 29.6600, 31.5703

# Trichromacy



## Original Color

28.7300, 29.7349, 9.0757

## Protanomaly

27.9062, 29.9965, 9.3201

## Deuteranomaly

29.6832, 29.5514, 9.1405

## Tritanomaly

31.0339, 29.3333, 20.8559

# Monochromacy



## Original Color

28.7300, 29.7349, 9.0757

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

26.9881, 28.5797, 20.6170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.7300, 29.7349, 9.0757 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(175, 145, 64)` looks like.

```
.text, #text, p{  
    color:rgb(175, 145, 64)  
}
```

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(175, 145, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 145, 64) }
```

## Border

The CSS property to change the border of an element to XYZ 28.7300, 29.7349, 9.0757 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(175, 145, 64) }
```



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

```
.border{ border-color:rgb(175, 145, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 145, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 145, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 145, 64);  
box-shadow:4px 4px 4px 4px rgb(175, 145,  
64) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.7300, 29.7349, 9.0757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 145, 64) }
```

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

```
.background{ background-color: rgb(175,  
145, 64) }
```

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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