

# Converting Colors

XYZ(49.0279, 30.6575, 97.9412)

Have a look what the booklet for  
XYZ(49.0279, 30.6575, 97.9412)  
contains.

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# Color

**XYZ(49.1140, 30.7330,  
97.9512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D069FF
RGB	208, 105, 255
RGB Percent	82%, 41%, 100%
CMY	0.1843, 0.5882, 0.0000
CMYK	0.18, 0.59, 0.00, 0.00
HSL	281°, 100%, 71%
HSV	281°, 59%, 100%
XYZ	49.1140, 30.7330, 97.9512
YIQ	152.8970, 13.2380, 68.4860

# Conversions

## Conversions Part 2

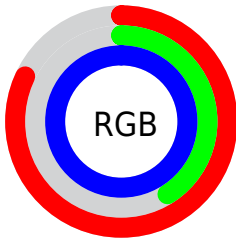
Format	Color
R <sub>Y</sub> B	208, 105, 255
Decimal	13658623
CIE Lab	62.28, 63.81, -58.10
CIE LCh	62, 86.297, 317.680
Yxy	30.7330, 0.2762, 0.1729
Android (android.graphics.Color)	4291848703 (0xFFD069FF)
YUV	152.8970, 50.3368, 48.3253
Hunter-Lab	55.4374, 61.1244, -65.9522

# Details

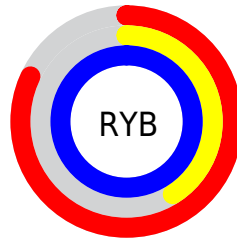
The XYZ color **49.1140, 30.7330, 97.9512** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **51.2591, 79.2155, 25.9541**, and the grayscale version is **30.0188, 31.5821, 34.3929**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **23.7127, 12.6292, 54.0112** is the 20% darker color. If you saturate the color by 10%, you get **44.7054, 25.1661, 97.1090**, and if you desaturate by 10%, it is **54.4165, 37.9174, 99.0585**.

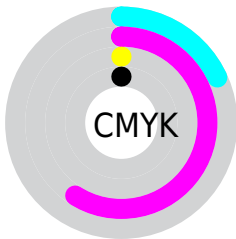
# Distribution



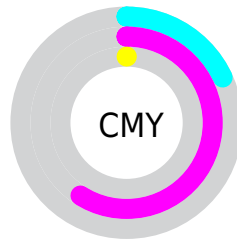
- Red (82%)
- Green (41%)
- Blue (100%)



- Red (82%)
- Yellow (41%)
- Blue (100%)



- Cyan (18%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (59%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1140, 30.7330, 97.9512 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 49.1140, 30.7330, 97.9512 by changing the saturation by 10% instead.





 49.1140, 30.7330,  
97.9512

 49.1140, 30.7330,  
97.9512

373.7005,  
305.3064, 574.7943


 34.9248, 20.3956,  
73.9833


 88.0604, 60.8195,  
160.3660

 23.7712, 12.6829,  
54.2837


 113.5484, 81.3373,  
199.6500

 15.2878, 7.2106,  
38.4338


 143.5334,  
106.0175, 244.8765

 9.1093, 3.5941,  
26.0151

 178.3807,  
135.2443, 296.4639

 4.8702, 1.4492,  
16.6091

218.4557,  
169.4022, 354.8309

 2.2053, 0.2526,  
9.7972

264.1238,

 0.7455, 0.0000,

208.8756, 420.3959

5.1608

315.7502,  
254.0489, 493.5775

■ 0.0000, 0.0000,  
2.2815

■ 0.0000, 0.0000,  
0.7209

■ 49.1140, 30.7330,  
97.9512

■ 49.1140, 30.7330,  
97.9512

■ 44.7054, 25.1661,  
97.1090

■ 54.4165, 37.9174,  
99.0585

■ 41.1135, 21.0682,  
96.5074

■ 60.6740, 46.8426,  
100.4514

■ 38.2525, 18.2691,  
96.1179

■ 67.9461, 57.6241,  
102.1492

■ 35.9970, 16.5204,  
95.8992

■ 76.2859, 70.3660,  
104.1690

■ 35.7523, 16.3459,  
95.8785

■ 85.7428, 85.1648,  
106.5271

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



36.5600, 30.7330, 139.4396



49.1140, 30.7330, 97.9512



57.0341, 30.7330, 49.1117

# Triad

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



49.1140, 30.7330, 97.9512



34.2585, 30.7330, 1.7694



12.6377, 30.7330, 56.9879

# Complementary

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



49.1140, 30.7330, 97.9512



51.2591, 79.2155, 25.9541

# 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.



12.3299, 30.7330, 21.5510



49.1140, 30.7330, 97.9512



22.9190, 30.7330, 1.9974

# Square

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



49.1140, 30.7330, 97.9512



47.0478, 30.7330, 4.9043



15.5753, 30.7330, 6.1815



16.5704, 30.7330, 106.8971



# Rectangle

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



49.1140, 30.7330, 97.9512



57.5276, 30.7330, 25.5967



15.5753, 30.7330, 6.1815



12.1535, 30.7330, 42.7955

# Sweetspot

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



49.1152, 30.7342, 97.9514



77.0205, 71.5037, 104.3499



35.1861, 32.8434, 99.0927



15.9362, 14.4561, 22.2003



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



49.1152, 30.7342, 97.9514



43.8562, 24.1538, 96.9584



60.2263, 36.9376, 76.9913



18.2065, 17.9982, 22.7644



18.8423, 8.6241, 50.1061



1.9474, 0.8978, 4.8839



# Inverse Universe

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



51.9595, 33.6309, 33.4590



47.7603, 27.7808, 24.2031



45.7855, 76.2032, 34.3063



18.2438, 18.0808, 19.9009



22.3624, 11.4342, 5.2927



2.2242, 1.1320, 0.7619



# Previews

## White Background



This preview shows how the XYZ color 49.1140, 30.7330, 97.9512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

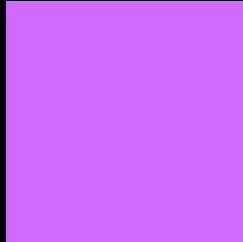
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.1140, 30.7330, 97.9512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

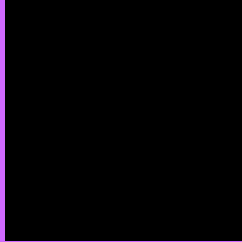
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.1140, 30.7330, 97.9512**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1140, 30.7330, 97.9512.



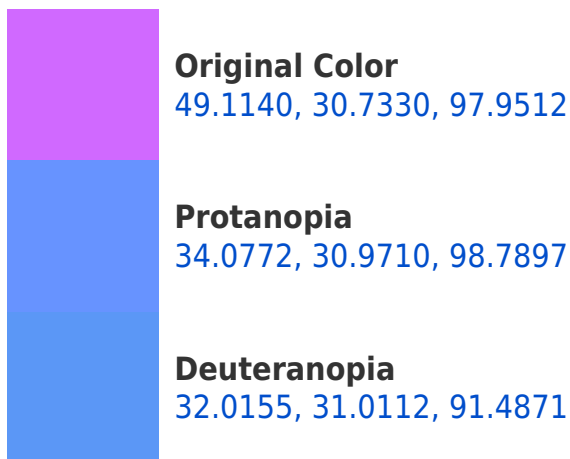
This preview shows how white text looks on a background with the XYZ color 49.1140, 30.7330,



# 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





## Tritanopia

35.2607, 30.4486, 30.8068

# Trichromacy



## Original Color

49.1140, 30.7330, 97.9512



## Protanomaly

37.2858, 29.3852, 98.3145



## Deuteranomaly

35.4555, 28.9581, 93.3433



## Tritanomaly

38.9906, 29.7884, 49.5936

# Monochromacy



## Original Color

49.1140, 30.7330, 97.9512



## Achromatopsia

30.2779, 31.8547, 34.6897



## Achromatomaly

35.3320, 30.2103, 52.6842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1140, 30.7330, 97.9512 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(208, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 105, 255)  
}
```

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(208, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 105, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1140, 30.7330, 97.9512 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(208, 105, 255) }
```



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

```
.border{ border-color:rgb(208, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 105,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1140, 30.7330, 97.9512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 105, 255) }
```

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

```
.background{ background-color: rgb(208,  
105, 255) }
```

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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