

# Converting Colors

XYZ(30.7198, 14.9145, 73.0539)

Have a look what the booklet for  
XYZ(30.7198, 14.9145, 73.0539)  
contains.

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# Color

**XYZ(30.7444, 14.9158,  
73.2101)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA1DE2
RGB	170, 29, 226
RGB Percent	67%, 11%, 89%
CMY	0.3333, 0.8863, 0.1137
CMYK	0.25, 0.87, 0.00, 0.11
HSL	283°, 77%, 50%
HSV	283°, 87%, 89%
XYZ	30.7444, 14.9158, 73.2101
YIQ	93.6170, 20.7990, 91.1590

# Conversions

## Conversions Part 2

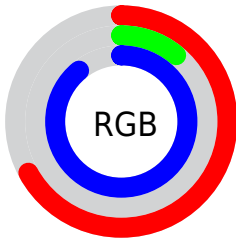
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 29, 226
Decimal	11148770
CIE <sub>Lab</sub>	45.52, 78.06, -69.15
CIE <sub>LCh</sub>	46, 104.280, 318.465
Yxy	14.9158, 0.2586, 0.1255
Android (android.graphics.Color)	4289338850 (0xFFAA1DE2)
YUV	93.6170, 65.2648, 66.9879
Hunter-Lab	38.6210, 74.5090, -85.3557

# Details

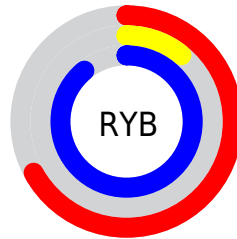
The XYZ color **30.7444, 14.9158, 73.2101** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **31.1649, 56.4131, 10.4090**, and the grayscale version is **10.3983, 10.9398, 11.9135**.

A 20% lighter version of the original color is **54.9578, 32.5924, 98.0021**, and **13.7170, 6.2441, 38.0184** is the 20% darker color. If you saturate the color by 10%, you get **29.0200, 13.4778, 73.0237**, and if you desaturate by 10%, it is **32.9392, 17.1919, 73.5340**.

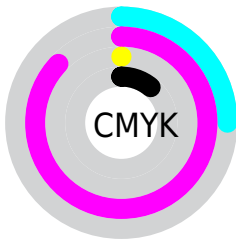
# Distribution



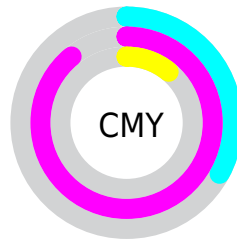
- Red (67%)
- Green (11%)
- Blue (89%)



- Red (67%)
- Yellow (11%)
- Blue (89%)



- Cyan (25%)
- Magenta (87%)
- Yellow (0%)
- Black (11%)




- Cyan (33%)
- Magenta (89%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7444, 14.9158, 73.2101 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 30.7444, 14.9158, 73.2101 by changing the saturation by 10% instead.




 30.7444, 14.9158,  
73.2101


 30.7444, 14.9158,  
73.2101


297.2070,  
222.8560, 490.8330


 20.5552, 8.7603,  
53.6549


 60.2160, 34.7054,  
125.4991


 12.9098, 4.5852,  
37.9345


 80.2291, 49.1083,  
159.0700


 7.4431, 2.0060,  
25.6304


 104.2475, 67.0291,  
198.1499

 3.7895, 0.6109,  
16.3241

 132.6366, 88.8523,  
243.1573

 1.5837, 0.0000,  
9.5970

 165.7618,  
114.9622, 294.5108

 0.3818, 0.0000,  
5.0305

 203.9883,

 0.0000, 0.0000,

145.7431, 352.6288

2.2061

247.6816,  
181.5796, 417.9301

■ 0.0000, 0.0000,  
0.6779

■ 0.0000, 0.0000,  
0.0000

■ 30.7444, 14.9158,  
73.2101

■ 30.7444, 14.9158,  
73.2101

■ 29.0200, 13.4778,  
73.0237

■ 32.9392, 17.1919,  
73.5340

■ 28.5786, 13.1470,  
72.9831

■ 35.6831, 20.4651,  
74.0212

■ 39.0389, 24.8586,  
74.6924

■ 43.0597, 30.4770,  
75.5649

47.7921, 37.4126,  
76.6542

53.2785, 45.7488,  
77.9741

59.5578, 55.5620,  
79.5373

66.6660, 66.9229,  
81.3555

74.6367, 79.8977,  
83.4398

# Harmonies

## Analogous

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



20.1616, 14.9158, 117.2185



30.7444, 14.9158, 73.2101



37.6908, 14.9158, 27.8267

# Triad

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



30.7444, 14.9158, 73.2101



17.7917, 14.9158, 0.0000



3.4942, 14.9158, 36.6266

# Complementary

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



30.7444, 14.9158, 73.2101



31.1649, 56.4131, 10.4090

# 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.



3.2925, 14.9158, 8.4215



30.7444, 14.9158, 73.2101



9.5120, 14.9158, 0.0000

# Square

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



30.7444, 14.9158, 73.2101



28.4112, 14.9158, 0.0295



4.9809, 14.9158, 0.6526



5.7270, 14.9158, 84.9592



# Rectangle

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



30.7444, 14.9158, 73.2101



37.9903, 14.9158, 10.1609



4.9809, 14.9158, 0.6526



3.2341, 14.9158, 24.3614

# Sweetspot

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



30.7452, 14.9164, 73.2105



70.8262, 61.3454, 102.7156



17.7326, 12.7488, 73.4779



14.5888, 12.2519, 21.8459



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.



30.7452, 14.9164, 73.2105



37.4630, 17.2278, 95.9585



40.7307, 20.6186, 48.6233



13.8955, 13.7297, 17.3054



16.4261, 7.5633, 41.6425



1.2251, 0.5688, 2.8905



# Inverse Universe

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



33.4435, 17.7037, 10.2495



42.4256, 21.7343, 8.1734



28.7591, 55.0765, 14.6489



13.8666, 13.7643, 15.0678



18.4692, 9.4547, 3.8709

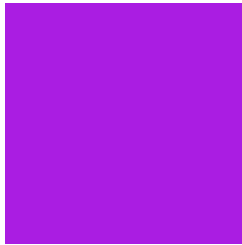


1.3180, 0.6705, 0.4674



# Previews

## White Background



This preview shows how the XYZ color 30.7444, 14.9158, 73.2101 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

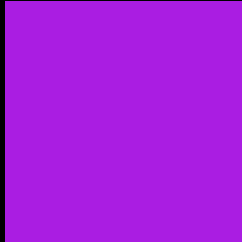
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.7444, 14.9158, 73.2101 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

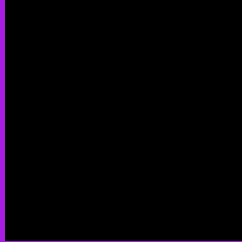
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 30.7444, 14.9158, 73.2101**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.7444, 14.9158, 73.2101.



This preview shows how white text looks on a background with the XYZ color 30.7444, 14.9158,



# 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

30.7444, 14.9158, 73.2101

### Protanopia

18.1027, 15.3236, 70.4102

### Deuteranopia

15.3101, 15.2191, 52.5827



## Tritanopia

18.5234, 14.8480, 13.4449

# Trichromacy



## Original Color

30.7444, 14.9158, 73.2101



## Protanomaly

17.9598, 11.6596, 71.1160



## Deuteranomaly

15.9485, 11.3168, 59.1014



## Tritanomaly

21.0826, 13.3467, 28.2531

# Monochromacy



## Original Color

30.7444, 14.9158, 73.2101



## Achromatopsia

10.6392, 11.1932, 12.1894



## Achromatomaly

15.0987, 10.4709, 26.8165

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.7444, 14.9158, 73.2101 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(170, 29, 226)` looks like.

```
.text, #text, p{  
    color:rgb(170, 29, 226)  
}
```

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(170, 29, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 29, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 30.7444, 14.9158, 73.2101 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(170, 29, 226) }
```



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

```
.border{ border-color:rgb(170, 29, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 29, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 29, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 29, 226);  
box-shadow:4px 4px 4px 4px rgb(170, 29,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.7444, 14.9158, 73.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 29, 226) }
```

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

```
.background{ background-color: rgb(170, 29,  
226) }
```

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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