

Converting Colors

XYZ(14.5874, 5.9596, 71.1872)

Have a look what the booklet for
XYZ(14.5874, 5.9596, 71.1872)
contains.

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Color

**XYZ(14.5367, 5.9397,
70.9013)**

Conversions

Conversions Part 1	
Format	Color
Hex	2D00E0
RGB	45, 0, 224
RGB Percent	18%, 0%, 88%
CMY	0.8235, 1.0000, 0.1216
CMYK	0.80, 1.00, 0.00, 0.12
HSL	252°, 100%, 44%
HSV	252°, 100%, 88%
XYZ	14.5367, 5.9397, 70.9013
YIQ	38.9910, -45.0840, 79.2040

Conversions

Conversions Part 2

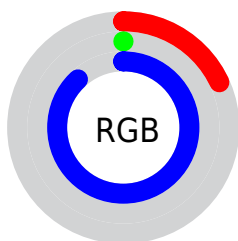
Format	Color
RYB	45, 0, 224
Decimal	2949344
CIELab	29.26, 72.30, -95.32
CIELCh	29, 119.639, 307.183
Yxy	5.9397, 0.1591, 0.0650
Android (android.graphics.Color)	4281139424 (0xFF2D00E0)
YUV	38.9910, 91.2094, 5.2699
Hunter-Lab	24.3715, 63.8185, -155.4258

Details

The XYZ color **14.5367, 5.9397, 70.9013** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **45.2427, 62.8934, 9.7551**, and the grayscale version is **1.8546, 1.9512, 2.1248**.

A 20% lighter version of the original color is **28.6356, 15.8362, 96.1552**, and **6.9751, 2.7900, 36.7301** is the 20% darker color. If you saturate the color by 10%, you get **14.5374, 5.9401, 70.9016**, and if you desaturate by 10%, it is **15.7936, 7.0250, 71.0448**.

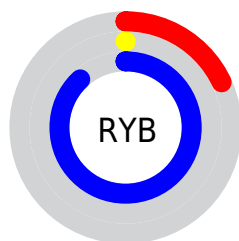
Distribution



Red (18%)

Green (0%)

Blue (88%)



Red (18%)

Yellow (0%)

Blue (88%)

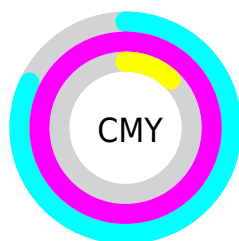


Cyan (80%)

Magenta (100%)

Yellow (0%)

Black (12%)



Cyan (82%)


Magenta (100%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.5367, 5.9397, 70.9013 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 14.5367, 5.9397, 70.9013 by changing the saturation by 10% instead.


 14.5367, 5.9397,
70.9013


 14.5367, 5.9397,
70.9013


 213.9890,
158.5377, 482.5827


 8.5791, 2.8084,
51.7803


 33.6167, 17.8059,
122.1863


 4.5226, 1.0326,
36.4490


 47.4698, 27.3096,
155.1874


 2.0018, 0.0000,
24.4887


 64.6854, 39.7063,
193.6523

 0.6350, 0.0000,
15.4810

 85.6290, 55.3803,
237.9996

 0.0000, 0.0000,
9.0073

 110.6657, 74.7161,
288.6477


 0.0000, 0.0000,
4.6491


 140.1611, 98.0979,


 0.0000, 0.0000,

346.0152


1.9878

 174.4804,
125.9103, 410.5207

 0.0000, 0.0000,
0.5477


 0.0000, 0.0000,
0.0000


 14.5367, 5.9397,
70.9013


 14.5367, 5.9397,
70.9013

 14.5374, 5.9401,
70.9016

 15.7936, 7.0250,
71.0448

 17.7626, 8.9844,
71.3192

 20.5877, 12.0564,
71.7633

 24.3608, 16.3818,
72.3993

■ 29.1614, 22.0804,
73.2462

■ 35.0602, 29.2575,
74.3206

■ 42.1213, 38.0083,
75.6375

■ 50.4040, 48.4196,
77.2106

■ 59.9633, 60.5720,
79.0524

Harmonies

Analogous

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



7.0463, 5.9397, 103.6355



14.5367, 5.9397, 70.9013



21.6508, 5.9397, 26.2202

Triad

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



14.5367, 5.9397, 70.9013



10.7071, 5.9397, 0.0000



0.1811, 5.9397, 10.9453

Complementary

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



14.5367, 5.9397, 70.9013



45.2427, 62.8934, 9.7551

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.



0.3868, 5.9397, 0.2834



14.5367, 5.9397, 70.9013



4.4438, 5.9397, 0.0000

Square

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



14.5367, 5.9397, 70.9013



18.6222, 5.9397, 0.0000



1.4074, 5.9397, 0.0000



0.7519, 5.9397, 46.2473

Rectangle

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



14.5367, 5.9397, 70.9013



23.6712, 5.9397, 8.0422



1.4074, 5.9397, 0.0000



0.1617, 5.9397, 5.1127

Sweetspot

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



14.5374, 5.9401, 70.9016



56.2857, 50.7127, 101.4297



29.6149, 37.7024, 76.2377



11.1477, 9.7350, 21.5414



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.



14.5374, 5.9401, 70.9016



19.4276, 7.9302, 95.1145



27.3203, 12.5299, 71.4998



13.2080, 13.3753, 17.2732



8.5369, 3.4962, 41.2733



0.6647, 0.2800, 2.8642

Inverse Universe

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



38.8758, 19.1014, 44.2779



52.1097, 25.6079, 59.1692



28.9842, 54.5119, 8.9942



14.1708, 13.8860, 16.6696



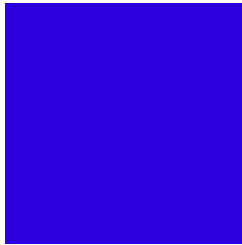
22.6705, 11.1352, 25.9945



1.6017, 0.7840, 1.9616

Previews

White Background



This preview shows how the XYZ color 14.5367, 5.9397, 70.9013 looks on a white background.

Color Contrast Check

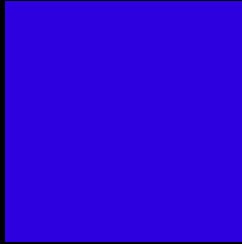
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 14.5367, 5.9397, 70.9013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

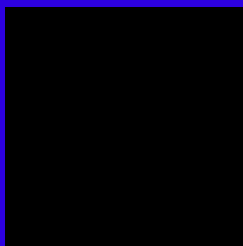
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5367, 5.9397, 70.9013

Background



This preview shows how black text looks on a background with the XYZ color 14.5367, 5.9397, 70.9013.



This preview shows how white text looks on a background with the XYZ color 14.5367, 5.9397,

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

14.5367, 5.9397, 70.9013

Protanopia

7.0250, 6.1174, 26.7971

Deuteranopia

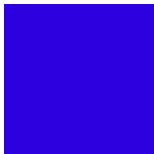


5.8337, 6.1456, 18.9679






Tritanopia

4.2474, 6.0580, 8.9281

Trichromacy

	Original Color 14.5367, 5.9397, 70.9013
	Protanomaly 8.5240, 4.8165, 39.5101
	Deuteranomaly 7.3622, 4.5328, 32.8346
	Tritanomaly 5.6574, 4.1126, 23.0499

Monochromacy

	Original Color 14.5367, 5.9397, 70.9013
	Achromatopsia 1.9284, 2.0289, 2.2094
	Achromatomaly 3.8636, 2.2073, 13.8581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5367, 5.9397, 70.9013 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(45, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(45, 0, 224)  
}
```

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(45, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 14.5367, 5.9397, 70.9013 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(45, 0, 224) }
```


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

```
.border{ border-color:rgb(45, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(45, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(45, 0, 224)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.5367, 5.9397, 70.9013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 0, 224) }
```

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

```
.background{ background-color: rgb(45, 0,  
224) }
```

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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