

Converting Colors

XYZ(49.3785, 72.5538, 13.0716)

Have a look what the booklet for
XYZ(49.3785, 72.5538, 13.0716)
contains.

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Color

**XYZ(49.3041, 72.5159,
13.0674)**

Conversions

Conversions Part 1

Format	Color
Hex	ADF224
RGB	173, 242, 36
RGB Percent	68%, 95%, 14%
CMY	0.3216, 0.0510, 0.8588
CMYK	0.29, 0.00, 0.85, 0.05
HSL	80°, 89%, 55%
HSV	80°, 85%, 95%
XYZ	49.3041, 72.5159, 13.0674
YIQ	197.8850, 25.0020, -78.6940

Conversions

Conversions Part 2

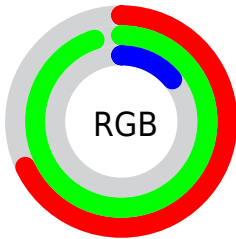
Format	Color
RYB	36, 242, 105
Decimal	11399716
CIELab	88.22, -47.46, 81.03
CIELCh	88, 93.908, 120.359
Yxy	72.5159, 0.3655, 0.5376
Android (android.graphics.Color)	4289589796 (0xFFADF224)
YUV	197.8850, -79.8093, -21.8241
Hunter-Lab	85.1563, -45.6749, 50.5112

Details

The XYZ color **49.3041, 72.5159, 13.0674** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **22.4870, 10.6780, 84.8846**, and the grayscale version is **54.0681, 56.8839, 61.9466**.

A 20% lighter version of the original color is **71.8630, 89.8431, 26.6506**, and **24.2884, 38.2753, 6.1077** is the 20% darker color. If you saturate the color by 10%, you get **47.3136, 71.5214, 11.6531**, and if you desaturate by 10%, it is **51.6560, 73.6726, 15.8022**.

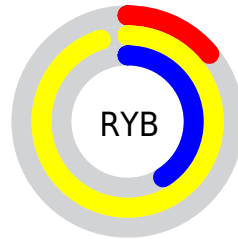
Distribution



Red (68%)

Green (95%)

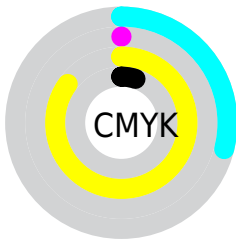
Blue (14%)



Red (14%)

Yellow (95%)

Blue (41%)

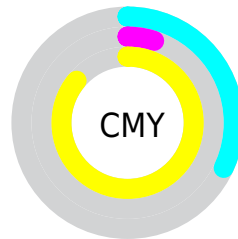


Cyan (29%)

Magenta (0%)

Yellow (85%)

Black (5%)



Cyan (32%)

Magenta (5%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3041, 72.5159, 13.0674 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 49.3041, 72.5159, 13.0674 by changing the saturation by 10% instead.

49.3041, 72.5159,
13.0674

49.3041, 72.5159,
13.0674

374.4354,
469.3353, 222.5721

35.0763, 53.5802,
7.3437

88.3409, 122.7897,
32.1178

23.8884, 38.2662,
3.5963

113.8807,
154.8966, 46.2815

15.3752, 26.1893,
1.4066

143.9218,
192.1628, 64.0957

9.1711, 16.9653,
0.1468

178.8297,
234.9725, 85.9789

4.9110, 10.2098,
0.0000

218.9696,
283.7102, 112.3496

2.2293, 5.5383,
0.0000

264.7070,

0.7581, 2.5664,

338.7603, 143.6263

0.0000

316.4071,
400.5072, 180.2277

■ 0.0000, 0.9098,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.3041, 72.5159,
13.0674

■ 49.3041, 72.5159,
13.0674

■ 47.3136, 71.5214,
11.6531

■ 51.6560, 73.6726,
15.8022

■ 46.4386, 71.0779,
11.2718

■ 54.4094, 75.0002,
20.0815

■ 57.6032, 76.5169,
26.0925

■ 61.2694, 78.2358,
33.9950

65.4367, 80.1685,
43.9302

70.1308, 82.3256,
56.0263

75.3759, 84.7168,
70.4006

81.1942, 87.3513,
87.1621

87.6067, 90.2376,
106.4128

Harmonies

Analogous

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



68.6539, 72.5159, 8.5898



49.3041, 72.5159, 13.0674



37.7673, 72.5159, 32.1935

Triad

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



49.3041, 72.5159, 13.0674



49.6800, 72.5159, 242.8290



121.8155, 72.5159, 78.1849

Complementary

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



49.3041, 72.5159, 13.0674



22.4870, 10.6780, 84.8846

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.



113.7335, 72.5159, 157.3725



49.3041, 72.5159, 13.0674



69.1952, 72.5159, 278.7203

Square

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



49.3041, 72.5159, 13.0674



37.9489, 72.5159, 159.5082



93.1609, 72.5159, 241.1936



113.3560, 72.5159, 31.4609

Rectangle

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



49.3041, 72.5159, 13.0674



34.4881, 72.5159, 59.9859



93.1609, 72.5159, 241.1936



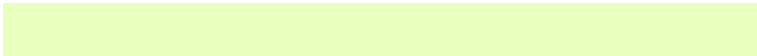
120.9264, 72.5159, 101.5586

Sweetspot

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



49.3058, 72.5191, 13.0690



78.4485, 92.4694, 61.6873



41.9572, 29.0431, 5.0645



16.3877, 19.6072, 12.1479



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.



49.3058, 72.5191, 13.0690



52.2462, 80.0189, 12.6915



34.6231, 64.9499, 12.3818



16.5786, 18.1784, 16.7847



25.0970, 38.2596, 6.0621



2.1930, 3.2371, 0.5092

Inverse Universe

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



22.4870, 10.6780, 84.8846



21.8349, 9.1712, 95.2271



42.5797, 21.0362, 85.8249



15.3962, 15.4860, 19.8992



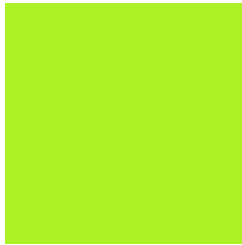
10.5655, 4.4521, 45.4304



0.9808, 0.4229, 3.7841

Previews

White Background



This preview shows how the XYZ color 49.3041, 72.5159, 13.0674 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 49.3041, 72.5159, 13.0674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

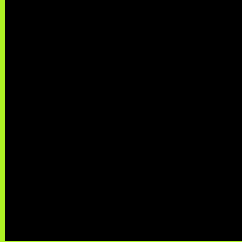
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3041, 72.5159, 13.0674

Background



This preview shows how black text looks on a background with the XYZ color 49.3041, 72.5159, 13.0674.



This preview shows how white text looks on a background with the XYZ color 49.3041, 72.5159,

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

49.3041, 72.5159, 13.0674

Protanopia

64.8022, 71.7631, 11.6645

Deuteranopia

71.0363, 71.6530, 40.2234



Tritanopia

65.8678, 72.0573, 95.2309

Trichromacy



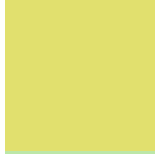
Original Color

49.3041, 72.5159, 13.0674



Protanomaly

58.0988, 71.5151, 12.1082



Deuteranomaly

60.5215, 70.4446, 25.1592



Tritanomaly

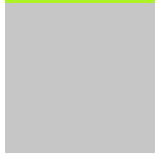
56.3828, 70.6703, 47.7148

Monochromacy



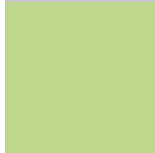
Original Color

49.3041, 72.5159, 13.0674



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.6930, 60.7760, 33.5379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3041, 72.5159, 13.0674 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(173, 242, 36)` looks like.

```
.text, #text, p{  
    color:rgb(173, 242, 36)  
}
```

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(173, 242, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 242, 36) }
```

Border

The CSS property to change the border of an element to XYZ 49.3041, 72.5159, 13.0674 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(173, 242, 36) }
```


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

```
.border{ border-color:rgb(173, 242, 36) }
```

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

Here you see how a box with a 4 pixel rgb(173, 242, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 242, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 242, 36);  
box-shadow:4px 4px 4px 4px rgb(173, 242,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3041, 72.5159, 13.0674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 242, 36) }
```

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

```
.background{ background-color: rgb(173,  
242, 36) }
```

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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