

Converting Colors

XYZ(49.9249, 74.0839, 13.3954)

Have a look what the booklet for
XYZ(49.9249, 74.0839, 13.3954)
contains.

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Color

**XYZ(49.9996, 74.2090,
13.4388)**

Conversions

Conversions Part 1

Format	Color
Hex	ACF525
RGB	172, 245, 37
RGB Percent	67%, 96%, 15%
CMY	0.3255, 0.0392, 0.8549
CMYK	0.30, 0.00, 0.85, 0.04
HSL	81°, 91%, 55%
HSV	81°, 85%, 96%
XYZ	49.9996, 74.2090, 13.4388
YIQ	199.4610, 23.2600, -80.1640

Conversions

Conversions Part 2

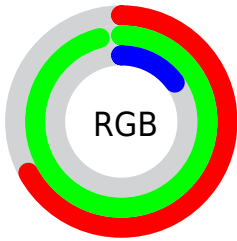
Format	Color
RYB	37, 245, 110
Decimal	11334949
CIELab	89.02, -49.05, 81.49
CIELCh	89, 95.116, 121.044
Yxy	74.2090, 0.3632, 0.5391
Android (android.graphics.Color)	4289525029 (0xFFACF525)
YUV	199.4610, -80.0933, -24.0833
Hunter-Lab	86.1446, -47.1491, 51.0519

Details

The XYZ color **49.9996, 74.2090, 13.4388** 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 **23.5769, 11.2330, 87.3160**, and the grayscale version is **55.0373, 57.9035, 63.0569**.

A 20% lighter version of the original color is **71.5885, 89.6957, 26.9045**, and **24.7933, 39.4771, 6.3131** is the 20% darker color. If you saturate the color by 10%, you get **47.9098, 73.1646, 11.9616**, and if you desaturate by 10%, it is **52.4724, 75.4259, 16.2808**.

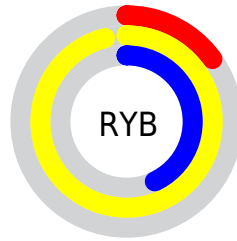
Distribution



Red (67%)

Green (96%)

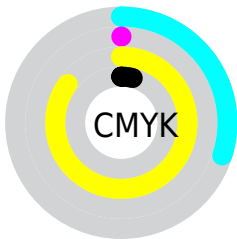
Blue (15%)



Red (15%)

Yellow (96%)

Blue (43%)

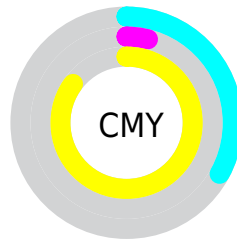


Cyan (30%)

Magenta (0%)

Yellow (85%)

Black (4%)



Cyan (33%)


Magenta (4%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9996, 74.2090, 13.4388 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 49.9996, 74.2090, 13.4388 by changing the saturation by 10% instead.


 49.9996, 74.2090,
13.4388


 49.9996, 74.2090,
13.4388


377.1164,
475.1944, 225.0168


 35.6309, 54.9651,
7.5971


 89.3661, 125.1920,
32.7926

 24.3180, 39.3738,
3.7542


 115.0946,
157.7000, 47.1417


 15.6957, 27.0506,
1.4915


 145.3404,
195.3981, 65.1638

 9.3986, 17.6113,
0.2116

 180.4689,
238.6707, 87.2773

 5.0612, 10.6713,
0.0000

 220.8453,
287.9022, 113.9008

 2.3184, 5.8462,
0.0000

266.8352,

 0.8040, 2.7518,

343.4771, 145.4529

0.0000

318.8037,
405.7797, 182.3520

■ 0.0000, 1.0036,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.9996, 74.2090,
13.4388

■ 49.9996, 74.2090,
13.4388

■ 47.9098, 73.1646,
11.9616

■ 52.4724, 75.4259,
16.2808

■ 46.9537, 72.6798,
11.5539

■ 55.3700, 76.8244,
20.7174

■ 58.7323, 78.4235,
26.9409

■ 62.5926, 80.2366,
35.1155

66.9807, 82.2760,
45.3866

71.9234, 84.5525,
57.8858

77.4458, 87.0765,
72.7340

83.5710, 89.8573,
90.0432

89.9127, 92.7408,
107.7696

Harmonies

Analogous

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



69.7264, 74.2090, 8.6480



49.9996, 74.2090, 13.4388



38.3442, 74.2090, 33.5027

Triad

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



49.9996, 74.2090, 13.4388



51.1235, 74.2090, 251.2738



124.9805, 74.2090, 78.5030

Complementary

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



49.9996, 74.2090, 13.4388



23.5769, 11.2330, 87.3160

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.



117.0276, 74.2090, 159.4550



49.9996, 74.2090, 13.4388



71.3467, 74.2090, 286.6864

Square

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



49.9996, 74.2090, 13.4388



38.8864, 74.2090, 165.8615



96.0362, 74.2090, 246.3629



115.8959, 74.2090, 31.3175

Rectangle

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



49.9996, 74.2090, 13.4388



35.0992, 74.2090, 62.5551



96.0362, 74.2090, 246.3629



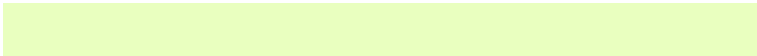
124.1992, 74.2090, 102.2889

Sweetspot

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



50.0013, 74.2123, 13.4404



78.6730, 92.5530, 63.1526



43.5477, 30.6580, 5.3737



16.4169, 19.6161, 12.4273



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.



50.0013, 74.2123, 13.4404



51.3801, 79.5725, 12.6510



35.3868, 66.6782, 12.7564



17.3173, 19.0056, 17.5533



25.4492, 39.2324, 6.2313



2.3477, 3.5054, 0.5529

Inverse Universe

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



23.5769, 11.2330, 87.3160



22.2185, 9.3689, 95.2451



44.8193, 22.1839, 88.3101



16.1298, 16.2096, 20.8212



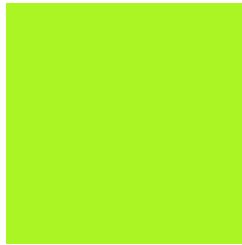
11.0814, 4.6870, 46.8586



1.0809, 0.4671, 4.1234

Previews

White Background



This preview shows how the XYZ color 49.9996, 74.2090, 13.4388 looks on a white background.

Color Contrast Check

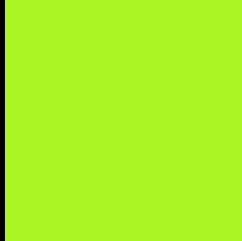
Large Text (above 18pt) WCAG AA × Fail

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 49.9996, 74.2090, 13.4388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

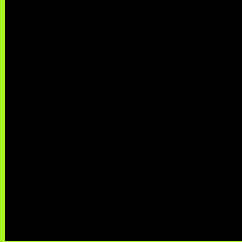
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9996, 74.2090, 13.4388

Background



This preview shows how black text looks on a background with the XYZ color 49.9996, 74.2090, 13.4388.



This preview shows how white text looks on a background with the XYZ color 49.9996, 74.2090,

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

49.9996, 74.2090, 13.4388

Protanopia

66.4057, 73.3783, 11.8918

Deuteranopia

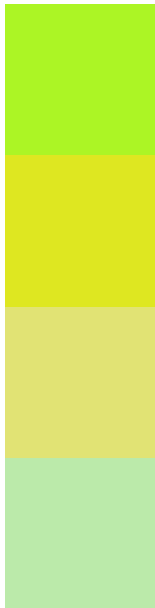
72.4859, 73.4589, 44.0768



Tritanopia

66.8836, 73.7427, 97.8974

Trichromacy



Original Color

49.9996, 74.2090, 13.4388

Protanomaly

58.9746, 72.7912, 12.3807

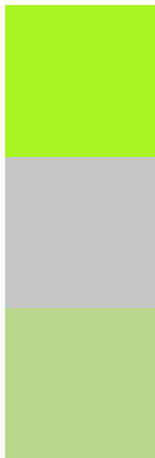
Deuteranomaly

61.6728, 72.2067, 27.2098

Tritanomaly

57.1720, 72.3127, 48.9747

Monochromacy



Original Color

49.9996, 74.2090, 13.4388

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

50.2758, 61.8240, 34.0944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9996, 74.2090, 13.4388 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(172, 245, 37)` looks like.

```
.text, #text, p{  
    color:rgb(172, 245, 37)  
}
```

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(172, 245, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 245, 37) }
```

Border

The CSS property to change the border of an element to XYZ 49.9996, 74.2090, 13.4388 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(172, 245, 37) }
```


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

```
.border{ border-color:rgb(172, 245, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 245, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 245, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 245, 37);  
box-shadow:4px 4px 4px 4px rgb(172, 245,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9996, 74.2090, 13.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 245, 37) }
```

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

```
.background{ background-color: rgb(172,  
245, 37) }
```

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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