

Converting Colors

XYZ(48.9194, 69.9002, 16.8737)

Have a look what the booklet for
XYZ(48.9194, 69.9002, 16.8737)
contains.

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Color

**XYZ(49.1007, 70.1373,
16.9112)**

Conversions

Conversions Part 1

Format	Color
Hex	AFED47
RGB	175, 237, 71
RGB Percent	69%, 93%, 28%
CMY	0.3137, 0.0706, 0.7215
CMYK	0.26, 0.00, 0.70, 0.07
HSL	82°, 82%, 60%
HSV	82°, 70%, 93%
XYZ	49.1007, 70.1373, 16.9112
YIQ	199.5380, 16.3340, -64.7700

Conversions

Conversions Part 2

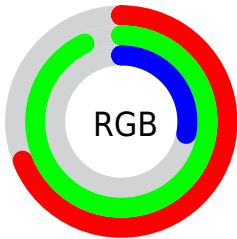
Format	Color
RYB	71, 237, 133
Decimal	11529543
CIELab	87.06, -43.05, 70.19
CIElCh	87, 82.340, 121.522
Yxy	70.1373, 0.3606, 0.5152
Android (android.graphics.Color)	4289719623 (0xFFAFED47)
YUV	199.5380, -63.3692, -21.5198
Hunter-Lab	83.7480, -41.9061, 46.6512

Details

The XYZ color **49.1007, 70.1373, 16.9112** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **27.2152, 15.6095, 81.7034**, and the grayscale version is **54.9875, 57.8511, 62.9999**.

A 20% lighter version of the original color is **73.5880, 90.5709, 34.0255**, and **23.8600, 36.8297, 5.8513** is the 20% darker color. If you saturate the color by 10%, you get **46.5617, 68.9020, 13.5671**, and if you desaturate by 10%, it is **52.0698, 71.5645, 21.8256**.

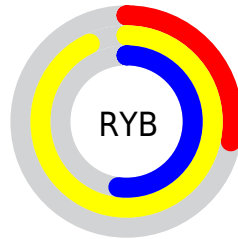
Distribution



Red (69%)

Green (93%)

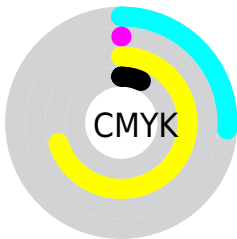
Blue (28%)



Red (28%)

Yellow (93%)

Blue (52%)

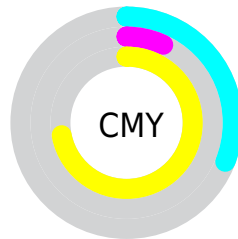


Cyan (26%)

Magenta (0%)

Yellow (70%)

Black (7%)



Cyan (31%)

Magenta (7%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1007, 70.1373, 16.9112 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 49.1007, 70.1373, 16.9112 by changing the saturation by 10% instead.

■ 49.1007, 70.1373,
16.9112

■ 49.1007, 70.1373,
16.9112

373.6490,
461.0319, 246.6867

■ 34.9142, 51.6385,
10.0099

■ 88.0408, 119.4045,
38.9616

■ 23.7630, 36.7170,
5.2998

■ 113.5252,
150.9417, 54.9478

■ 15.2817, 24.9884,
2.3624

■ 143.5062,
187.5938, 74.7993

■ 9.1049, 16.0684,
0.7659

■ 178.3493,
229.7453, 98.9348

■ 4.8673, 9.5726,
0.0000

■ 218.4198,
277.7804, 127.7728

■ 2.2036, 5.1165,
0.0000

264.0830,

■ 0.7446, 2.3158,

332.0836, 161.7317

0.0000

315.7043,
393.0393, 201.2302

■ 0.0000, 0.7820,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.1007, 70.1373,
16.9112

■ 49.1007, 70.1373,
16.9112

■ 46.5617, 68.9020,
13.5671

■ 52.0698, 71.5645,
21.8256


■ 44.4085, 67.8335,
11.5954

■ 55.4972, 73.1880,
28.4683

■ 42.5849, 66.9119,
10.6708

■ 59.4140, 75.0227,
36.9829


■ 63.8466, 77.0797,
47.4969

 68.8192, 79.3688,
60.1266

 74.3545, 81.8993,
74.9793

 80.4735, 84.6799,
92.1550

 86.2795, 87.3522,
106.9210

 89.4564, 88.9900,
107.0697

Harmonies

Analogous

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



65.6839, 70.1373, 11.8119



49.1007, 70.1373, 16.9112



39.1007, 70.1373, 36.1083

Triad

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



49.1007, 70.1373, 16.9112



50.5044, 70.1373, 212.8504



111.0083, 70.1373, 73.5829

Complementary

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



49.1007, 70.1373, 16.9112



27.2152, 15.6095, 81.7034

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.



104.8430, 70.1373, 138.9958



49.1007, 70.1373, 16.9112



67.6526, 70.1373, 239.2382

Square

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



49.1007, 70.1373, 16.9112



39.7945, 70.1373, 146.4028



87.9822, 70.1373, 207.3157



103.5174, 70.1373, 33.2250

Rectangle

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



49.1007, 70.1373, 16.9112



36.3108, 70.1373, 61.7608



87.9822, 70.1373, 207.3157



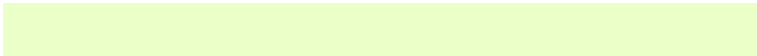
110.4585, 70.1373, 93.1129

Sweetspot

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



49.1023, 70.1404, 16.9127



80.6157, 93.4200, 69.3193



44.2983, 34.9284, 10.3693



16.8968, 19.8311, 13.9133



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.



49.1023, 70.1404, 16.9127



53.8336, 80.7915, 14.8366



35.9516, 63.3609, 16.2973



15.7751, 17.3296, 16.0322



23.3986, 36.6069, 5.8326



1.9432, 2.9291, 0.4630

Inverse Universe

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



27.2152, 15.6095, 81.7034



26.6946, 12.8433, 95.6798



45.5273, 25.0497, 82.5604



14.7628, 14.8230, 19.0053



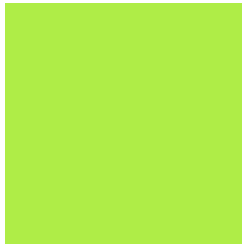
10.7036, 4.5538, 44.0578



0.9439, 0.4109, 3.4644

Previews

White Background



This preview shows how the XYZ color 49.1007, 70.1373, 16.9112 looks on a white background.

Color Contrast Check

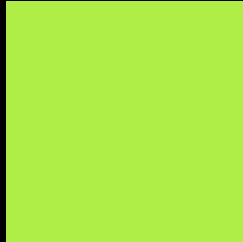
Large Text (above 18pt) WCAG AA × Fail

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 49.1007, 70.1373, 16.9112 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 49.1007, 70.1373, 16.9112

Background



This preview shows how black text looks on a background with the XYZ color 49.1007, 70.1373, 16.9112.

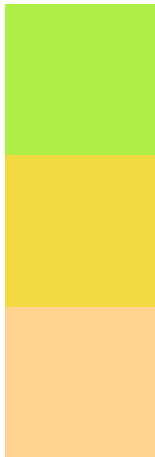


This preview shows how white text looks on a background with the XYZ color 49.1007, 70.1373,

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

49.1007, 70.1373, 16.9112

Protanopia

63.0169, 69.5908, 15.2653

Deuteranopia

69.2445, 69.3364, 35.7203



Tritanopia

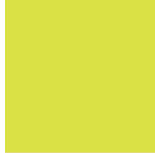
63.9421, 69.5470, 91.7152

Trichromacy



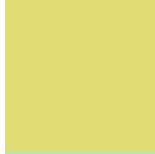
Original Color

49.1007, 70.1373, 16.9112



Protanomaly

56.8820, 69.1732, 15.8226



Deuteranomaly

60.1681, 68.6395, 26.9072



Tritanomaly

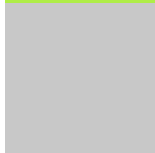
56.2440, 68.8439, 52.4433

Monochromacy



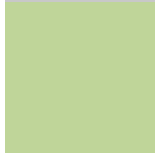
Original Color

49.1007, 70.1373, 16.9112



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.0299, 60.9648, 39.2148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1007, 70.1373, 16.9112 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(175, 237, 71)` looks like.

```
.text, #text, p{  
    color:rgb(175, 237, 71)  
}
```

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(175, 237, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 237, 71) }
```

Border

The CSS property to change the border of an element to XYZ 49.1007, 70.1373, 16.9112 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(175, 237, 71) }
```


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

```
.border{ border-color:rgb(175, 237, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 237, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 237, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 237, 71);  
box-shadow:4px 4px 4px 4px rgb(175, 237,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1007, 70.1373, 16.9112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 237, 71) }
```

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

```
.background{ background-color: rgb(175,  
237, 71) }
```

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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