

Converting Colors

XYZ(50.6734, 73.3335, 17.9332)

Have a look what the booklet for
XYZ(50.6734, 73.3335, 17.9332)
contains.

XYZ(50.4437, 72.9973, 17.9098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.4437, 72.9973,
17.9098)**

Conversions

Conversions Part 1

Format	Color
Hex	AEF24A
RGB	174, 242, 74
RGB Percent	68%, 95%, 29%
CMY	0.3176, 0.0510, 0.7098
CMYK	0.28, 0.00, 0.69, 0.05
HSL	84°, 87%, 62%
HSV	84°, 69%, 95%
XYZ	50.4437, 72.9973, 17.9098
YIQ	202.5160, 13.4000, -66.6640

Conversions

Conversions Part 2

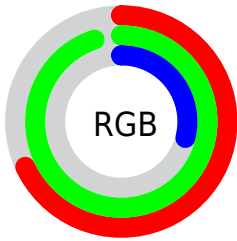
Format	Color
RYB	74, 242, 142
Decimal	11465290
CIELab	88.45, -45.38, 70.50
CIELCh	88, 83.842, 122.771
Yxy	72.9973, 0.3569, 0.5164
Android (android.graphics.Color)	4289655370 (0xFFAEF24A)
YUV	202.5160, -63.3584, -25.0085
Hunter-Lab	85.4385, -44.1292, 47.3784

Details

The XYZ color **50.4437, 72.9973, 17.9098** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light washed chartreuse. A complement of this color would be **29.6343, 17.0613, 85.7398**, and the grayscale version is **56.8417, 59.8019, 65.1242**.

A 20% lighter version of the original color is **73.4610, 90.4823, 35.0658**, and **24.5514, 38.4109, 6.1201** is the 20% darker color. If you saturate the color by 10%, you get **47.6771, 71.6502, 14.3127**, and if you desaturate by 10%, it is **53.6864, 74.5583, 23.1681**.

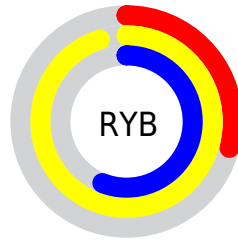
Distribution



Red (68%)

Green (95%)

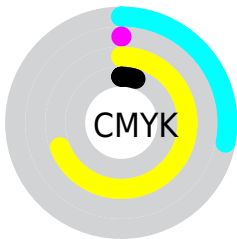
Blue (29%)



Red (29%)

Yellow (95%)

Blue (56%)

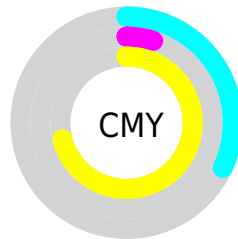


Cyan (28%)

Magenta (0%)

Yellow (69%)

Black (5%)



Cyan (32%)

Magenta (5%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4437, 72.9973, 17.9098 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 50.4437, 72.9973, 17.9098 by changing the saturation by 10% instead.

50.4437, 72.9973,
17.9098

50.4437, 72.9973,
17.9098

378.8219,
471.0055, 252.5812

35.9853, 53.9738,
10.7165

90.0198, 123.4734,
40.6954

24.5929, 38.5807,
5.7648

115.8683,
155.6947, 57.1248

15.9011, 26.4337,
2.6361

146.2441,
193.0841, 77.4700

9.5446, 17.1484,
0.9110

181.5128,
236.0259, 102.1494

5.1580, 10.3403,
0.0000

222.0395,
284.9045, 131.5817

2.3760, 5.6252,
0.0000

268.1897,

0.8331, 2.6185,

340.1044, 166.1854

0.0000

320.3287,
402.0099, 206.3791

0.0000, 0.9360,
0.0000

0.0000, 0.0000,
0.0000

50.4437, 72.9973,
17.9098

50.4437, 72.9973,
17.9098

47.6771, 71.6502,
14.3127

53.6864, 74.5583,
23.1681

45.3398, 70.4903,
12.1706


57.4354, 76.3381,
30.2524


43.3700, 69.4949,
11.1684


61.7240, 78.3528,
39.3130


43.2627, 69.4405,
11.1232

66.5803, 80.6141,
50.4831

 72.0306, 83.1329,
63.8847

 78.0991, 85.9191,
79.6300

 84.8085, 88.9822,
97.8241

 90.0827, 91.4920,
107.5196

 91.0437, 91.9874,
107.5646

Harmonies

Analogous

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



67.5245, 72.9973, 12.1685



50.4437, 72.9973, 17.9098



40.3065, 72.9973, 38.7390

Triad

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



50.4437, 72.9973, 17.9098



53.1140, 72.9973, 224.7011



115.7487, 72.9973, 74.2344

Complementary

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



50.4437, 72.9973, 17.9098



29.6343, 17.0613, 85.7398

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.



109.8725, 72.9973, 141.8655



50.4437, 72.9973, 17.9098



71.2727, 72.9973, 249.9273

Square

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



50.4437, 72.9973, 17.9098



41.6254, 72.9973, 155.9886



92.5500, 72.9973, 214.1401



107.3460, 72.9973, 33.2621

Rectangle

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



50.4437, 72.9973, 17.9098



37.5935, 72.9973, 66.3145



92.5500, 72.9973, 214.1401



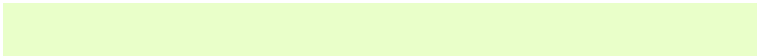
115.3794, 72.9973, 94.2856

Sweetspot

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



50.4454, 73.0005, 17.9114



80.0655, 93.1363, 69.2935



47.4112, 38.4831, 11.4088



16.7656, 19.7634, 13.9071



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.



50.4454, 73.0005, 17.9114



52.6344, 80.1680, 15.0192



37.2852, 66.2162, 17.2955



16.4681, 18.1215, 16.7795



23.3986, 37.3840, 5.9826



2.0588, 3.1679, 0.5029

Inverse Universe

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



29.6343, 17.0613, 85.7398



27.9838, 13.6424, 95.7661



49.5924, 27.3500, 86.6738



15.5030, 15.5410, 19.9042



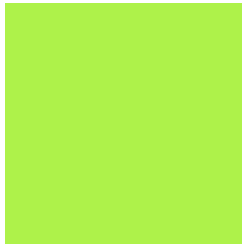
11.4586, 4.9125, 45.4722



1.0630, 0.4652, 3.7880

Previews

White Background



This preview shows how the XYZ color 50.4437, 72.9973, 17.9098 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 50.4437, 72.9973, 17.9098 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 50.4437, 72.9973, 17.9098

Background



This preview shows how black text looks on a background with the XYZ color 50.4437, 72.9973, 17.9098.

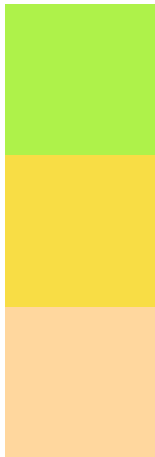


This preview shows how white text looks on a background with the XYZ color 50.4437, 72.9973,

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

50.4437, 72.9973, 17.9098

Protanopia

65.6420, 72.0990, 16.0870

Deuteranopia

71.7120, 72.3295, 42.5291



Tritanopia

66.0312, 72.5265, 96.1067

Trichromacy



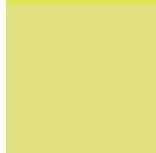
Original Color

50.4437, 72.9973, 17.9098



Protanomaly

58.9754, 71.8657, 16.7244



Deuteranomaly

62.1200, 71.5515, 30.6154



Tritanomaly

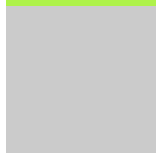
57.7936, 71.6554, 55.0408

Monochromacy



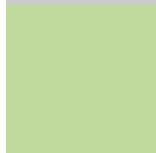
Original Color

50.4437, 72.9973, 17.9098



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.5518, 63.2325, 40.8878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4437, 72.9973, 17.9098 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(174, 242, 74)` looks like.

```
.text, #text, p{  
    color:rgb(174, 242, 74)  
}
```

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(174, 242, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 242, 74) }
```

Border

The CSS property to change the border of an element to XYZ 50.4437, 72.9973, 17.9098 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(174, 242, 74) }
```


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

```
.border{ border-color:rgb(174, 242, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 242, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 242, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 242, 74);  
box-shadow:4px 4px 4px 4px rgb(174, 242,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4437, 72.9973, 17.9098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 242, 74) }
```

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

```
.background{ background-color: rgb(174,  
242, 74) }
```

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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