

Converting Colors

XYZ(48.8667, 69.3999, 35.2836)

Have a look what the booklet for
XYZ(48.8667, 69.3999, 35.2836)
contains.

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Color

**XYZ(49.0449, 69.7016,
35.2949)**

Conversions

Conversions Part 1

Format	Color
Hex	9EED8B
RGB	158, 237, 139
RGB Percent	62%, 93%, 55%
CMY	0.3804, 0.0706, 0.4549
CMYK	0.33, 0.00, 0.41, 0.07
HSL	108°, 73%, 74%
HSV	108°, 41%, 93%
XYZ	49.0449, 69.7016, 35.2949
YIQ	202.2070, -15.6260, -47.2260

Conversions

Conversions Part 2

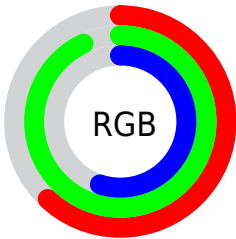
Format	Color
RYB	139, 237, 218
Decimal	10415499
CIELab	86.85, -42.28, 39.94
CIElCh	87, 58.162, 136.629
Yxy	69.7016, 0.3184, 0.4525
Android (android.graphics.Color)	4288605579 (0xFF9EED8B)
YUV	202.2070, -31.1611, -38.7695
Hunter-Lab	83.4875, -41.2429, 33.3760

Details

The XYZ color **49.0449, 69.7016, 35.2949** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.4355, 39.4873, 84.9301**, and the grayscale version is **56.4653, 59.4059, 64.6930**.

A 20% lighter version of the original color is **73.5219, 89.8621, 64.5090**, and **23.8377, 36.6194, 14.8287** is the 20% darker color. If you saturate the color by 10%, you get **44.0274, 67.2959, 26.9799**, and if you desaturate by 10%, it is **55.0257, 72.5646, 45.6173**.

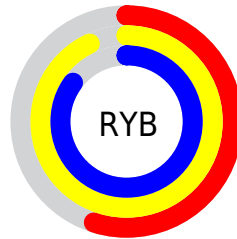
Distribution



Red (62%)

Green (93%)

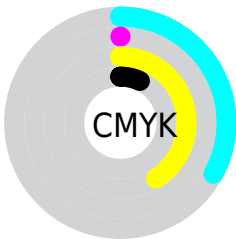
Blue (55%)



Red (55%)

Yellow (93%)

Blue (85%)

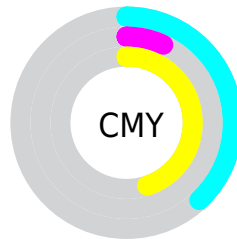


Cyan (33%)

Magenta (0%)

Yellow (41%)

Black (7%)



Cyan (38%)


Magenta (7%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0449, 69.7016, 35.2949 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 49.0449, 69.7016, 35.2949 by changing the saturation by 10% instead.


 49.0449, 69.7016,
35.2949


 49.0449, 69.7016,
35.2949


373.4331,
459.5016, 340.8118


 34.8698, 51.2833,
23.6048


 87.9585, 118.7831,
69.0991

 23.7286, 36.4341,
14.8312


 113.4276,
150.2151, 92.0503

 15.2561, 24.7697,
8.5557


 143.3921,
186.7538, 119.5922

 9.0868, 15.9055,
4.3597

178.2174,
228.7836, 152.1433

 4.8554, 9.4573,
1.8247

218.2688,
276.6889, 190.1224

 2.1966, 5.0407,
0.4442

263.9116,

 0.7409, 2.2711,

330.8541, 233.9478

0.0000

315.5113,
391.6635, 284.0381

0.0000, 0.7584,
0.0000

0.0000, 0.0000,
0.0000

49.0449, 69.7016,
35.2949

49.0449, 69.7016,
35.2949

44.0274, 67.2959,
26.9799

55.0257, 72.5646,
45.6173

39.9164, 65.3150,
20.5374


62.0119, 75.8980,
58.0611


36.6573, 63.7358,
15.8232


70.0496, 79.7250,
72.7373

34.1869, 62.5295,
12.6703

79.1803, 84.0650,
89.7478

 32.4326, 61.6630,
10.8782

 89.0374, 88.7738,
107.0500

 31.4098, 61.1508,
10.1478

 89.5756, 89.0513,
107.0752

Harmonies

Analogous

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



59.0638, 69.7016, 24.4713



49.0449, 69.7016, 35.2949



43.9813, 69.7016, 59.9011

Triad

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



49.0449, 69.7016, 35.2949



60.4006, 69.7016, 174.1952



94.5060, 69.7016, 56.4653

Complementary

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



49.0449, 69.7016, 35.2949



53.4355, 39.4873, 84.9301

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.



94.9932, 69.7016, 94.5049



49.0449, 69.7016, 35.2949



73.9951, 69.7016, 172.2896

Square

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



49.0449, 69.7016, 35.2949



49.9080, 69.7016, 144.1493



87.0691, 69.7016, 139.5923



85.8170, 69.7016, 33.5228

Rectangle

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



49.0449, 69.7016, 35.2949



43.5774, 69.7016, 84.8451



87.0691, 69.7016, 139.5923



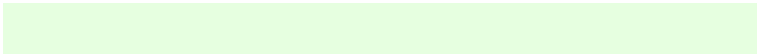
95.6718, 69.7016, 67.5942

Sweetspot

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



49.0466, 69.7046, 35.2964



82.0086, 93.8015, 84.5890



64.5044, 69.7041, 34.4816



17.2738, 19.9444, 17.5914



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.



49.0466, 69.7046, 35.2964



52.6127, 79.7616, 32.8725



48.0391, 68.9027, 48.0108



15.1409, 17.0026, 16.0026



17.2304, 33.4271, 5.5439



1.4283, 2.6636, 0.4389

Inverse Universe

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



53.4355, 39.4873, 84.9301



58.4286, 39.3983, 99.1329



55.4963, 41.0060, 64.4096



15.4121, 15.1577, 19.0357



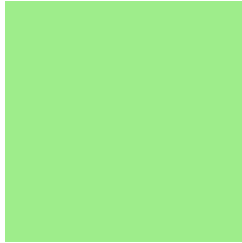
20.1915, 9.4450, 44.5018



1.6587, 0.7794, 3.4979

Previews

White Background



This preview shows how the XYZ color 49.0449, 69.7016, 35.2949 looks on a white background.

Color Contrast Check

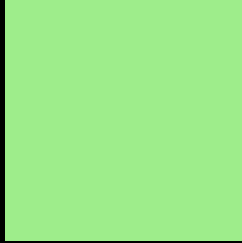
Large Text (above 18pt) WCAG AA × Fail

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 49.0449, 69.7016, 35.2949 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 49.0449, 69.7016, 35.2949

Background



This preview shows how black text looks on a background with the XYZ color 49.0449, 69.7016, 35.2949.



This preview shows how white text looks on a background with the XYZ color 49.0449, 69.7016,

35.2949.

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

49.0449, 69.7016, 35.2949

Protanopia

63.8346, 69.2689, 31.4785

Deuteranopia

69.7123, 68.7383, 40.6039



Tritanopia

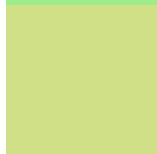
61.0074, 69.5516, 95.0034

Trichromacy



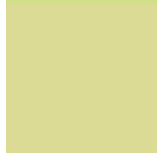
Original Color

49.0449, 69.7016, 35.2949



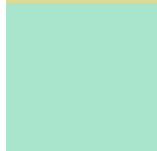
Protanomaly

56.9712, 68.4424, 32.7623



Deuteranomaly

60.2715, 68.0486, 38.3918



Tritanomaly

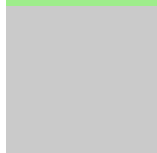
55.4009, 68.8814, 68.1331

Monochromacy



Original Color

49.0449, 69.7016, 35.2949



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.6868, 62.2947, 51.8950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0449, 69.7016, 35.2949 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(158, 237, 139)` looks like.

```
.text, #text, p{  
    color:rgb(158, 237, 139)  
}
```

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(158, 237, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 237, 139) }
```

Border

The CSS property to change the border of an element to XYZ 49.0449, 69.7016, 35.2949 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(158, 237, 139) }
```


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

```
.border{ border-color:rgb(158, 237, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 237, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 237, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 237, 139);  
box-shadow:4px 4px 4px 4px rgb(158, 237,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0449, 69.7016, 35.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 237, 139) }
```

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

```
.background{ background-color: rgb(158,  
237, 139) }
```

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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