

Converting Colors

XYZ(49.7445, 70.1213, 35.6922)

Have a look what the booklet for
XYZ(49.7445, 70.1213, 35.6922)
contains.

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Color

**XYZ(49.7158, 70.0389,
35.7095)**

Conversions

Conversions Part 1

Format	Color
Hex	A1ED8C
RGB	161, 237, 140
RGB Percent	63%, 93%, 55%
CMY	0.3686, 0.0706, 0.4510
CMYK	0.32, 0.00, 0.41, 0.07
HSL	107°, 73%, 74%
HSV	107°, 41%, 93%
XYZ	49.7158, 70.0389, 35.7095
YIQ	203.2180, -14.1590, -46.2790

Conversions

Conversions Part 2

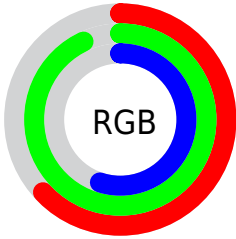
Format	Color
RYB	140, 237, 216
Decimal	10612108
CIELab	87.02, -41.17, 39.69
CIELCh	87, 57.189, 136.051
Yxy	70.0389, 0.3198, 0.4505
Android (android.graphics.Color)	4288802188 (0xFFA1ED8C)
YUV	203.2180, -31.1665, -37.0252
Hunter-Lab	83.6892, -40.4178, 33.2839

Details

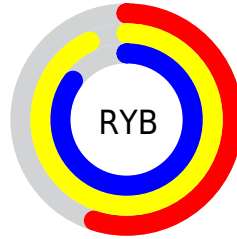
The XYZ color **49.7158, 70.0389, 35.7095** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.9861, 39.4716, 84.9506**, and the grayscale version is **57.0995, 60.0731, 65.4196**.

A 20% lighter version of the original color is **74.5238, 90.3656, 65.1442**, and **24.2292, 36.8165, 15.0618** is the 20% darker color. If you saturate the color by 10%, you get **44.6850, 67.6282, 27.3137**, and if you desaturate by 10%, it is **55.6823, 72.8927, 46.1165**.

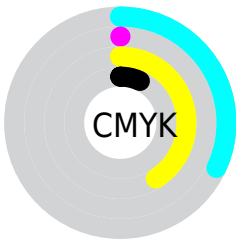
Distribution



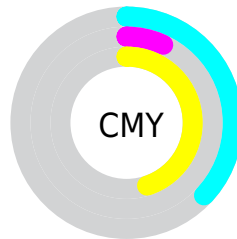
- Red (63%)
- Green (93%)
- Blue (55%)



- Red (55%)
- Yellow (93%)
- Blue (85%)



- Cyan (32%)
- Magenta (0%)
- Yellow (41%)
- Black (7%)



- Cyan (37%)
- Magenta (7%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7158, 70.0389, 35.7095 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 49.7158, 70.0389, 35.7095 by changing the saturation by 10% instead.

■ 49.7158, 70.0389,
35.7095

■ 49.7158, 70.0389,
35.7095

376.0239,
460.6866, 342.6880

■ 35.4045, 51.5582,
23.9220

■ 88.9480, 119.2642,
69.7474

■ 24.1426, 36.6531,
15.0641

■ 114.5996,
150.7777, 92.8350

■ 15.5648, 24.9390,
8.7173

■ 144.7620,
187.4042, 120.5263

■ 9.3056, 16.0316,
4.4629

179.8006,
229.5282, 153.2398

■ 4.9997, 9.5465,
1.8826

220.0808,
277.5340, 191.3943

■ 2.2819, 5.0993,
0.4816


265.9678,

■ 0.7854, 2.3057,

331.8061, 235.4081

0.0000


317.8270,
392.7288, 285.6998


 0.0000, 0.7767,
0.0000


 0.0000, 0.0000,
0.0000

 49.7158, 70.0389,
35.7095


 49.7158, 70.0389,
35.7095


 44.6850, 67.6282,
27.3137


 55.6823, 72.8927,
46.1165


 40.5359, 65.6292,
20.7949


 62.6244, 76.2013,
58.6483


 37.2166, 64.0205,
16.0099


 70.5860, 79.9870,
73.4153

 34.6676, 62.7750,
12.7926

 79.6066, 84.2681,
90.5190

 32.8201, 61.8616,
10.9447

 89.1541, 88.8339,
107.0555

 31.6663, 61.2830,
10.1598

 89.5756, 89.0512,
107.0752

Harmonies

Analogous

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



59.7086, 70.0389, 25.1142



49.7158, 70.0389, 35.7095



44.5974, 70.0389, 59.8453

Triad

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



49.7158, 70.0389, 35.7095



60.5599, 70.0389, 172.4191



94.4742, 70.0389, 57.6529

Complementary

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



49.7158, 70.0389, 35.7095



52.9861, 39.4716, 84.9506

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.



94.7828, 70.0389, 95.4323



49.7158, 70.0389, 35.7095



73.9377, 70.0389, 171.2176

Square

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



49.7158, 70.0389, 35.7095



50.2668, 70.0389, 142.5389



86.8581, 70.0389, 139.6604



86.0642, 70.0389, 34.5701

Rectangle

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



49.7158, 70.0389, 35.7095



44.1279, 70.0389, 84.2915



86.8581, 70.0389, 139.6604



95.5637, 70.0389, 68.7564

Sweetspot

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



49.7176, 70.0419, 35.7110



82.2316, 93.9165, 84.5994



64.2132, 69.0043, 34.7468



17.3259, 19.9713, 17.5938



0.0000, 0.0000, 0.0000



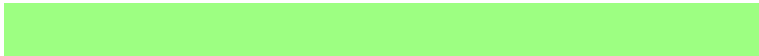
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7176, 70.0419, 35.7110



53.7164, 80.3110, 33.8071



48.1214, 68.9549, 47.5689



15.1731, 17.0193, 16.0041



17.3780, 33.5032, 5.5508



1.4443, 2.6719, 0.4396

Inverse Universe

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



52.9861, 39.4716, 84.9506



58.0189, 39.6847, 99.2097



55.8784, 41.3916, 65.7046



15.3772, 15.1397, 19.0340



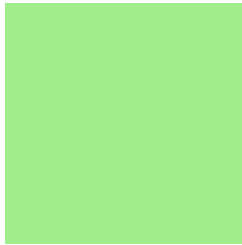
19.4766, 9.0765, 44.4684



1.6085, 0.7535, 3.4955

Previews

White Background



This preview shows how the XYZ color 49.7158, 70.0389, 35.7095 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 49.7158, 70.0389, 35.7095 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 49.7158, 70.0389, 35.7095

Background



This preview shows how black text looks on a background with the XYZ color 49.7158, 70.0389, 35.7095.

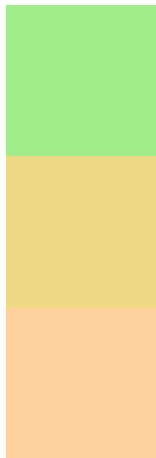


This preview shows how white text looks on a background with the XYZ color 49.7158, 70.0389,

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

49.7158, 70.0389, 35.7095

Protanopia

63.9028, 69.2962, 31.8373

Deuteranopia

70.1263, 69.2952, 41.5776



Tritanopia

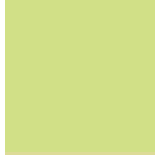
61.6933, 69.9052, 95.0355

Trichromacy



Original Color

49.7158, 70.0389, 35.7095



Protanomaly

57.3233, 68.6159, 33.1446



Deuteranomaly

60.7362, 68.2696, 39.2544



Tritanomaly

56.1731, 69.2655, 68.8015

Monochromacy



Original Color

49.7158, 70.0389, 35.7095



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.2777, 62.5875, 52.4526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7158, 70.0389, 35.7095 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(161, 237, 140)` looks like.

```
.text, #text, p{  
    color:rgb(161, 237, 140)  
}
```

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(161, 237, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 237, 140) }
```

Border

The CSS property to change the border of an element to XYZ 49.7158, 70.0389, 35.7095 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(161, 237, 140) }
```


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

```
.border{ border-color:rgb(161, 237, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 237, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 237, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 237, 140);  
box-shadow:4px 4px 4px 4px rgb(161, 237,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7158, 70.0389, 35.7095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 237, 140) }
```

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

```
.background{ background-color: rgb(161,  
237, 140) }
```

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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