

Converting Colors

XYZ(49.3237, 67.7966, 49.2039)

Have a look what the booklet for
XYZ(49.3237, 67.7966, 49.2039)
contains.

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Color

**XYZ(49.2521, 67.7974,
49.0184)**

Conversions

Conversions Part 1

Format	Color
Hex	97E9AB
RGB	151, 233, 171
RGB Percent	59%, 91%, 67%
CMY	0.4078, 0.0863, 0.3294
CMYK	0.35, 0.00, 0.27, 0.09
HSL	135°, 65%, 75%
HSV	135°, 35%, 91%
XYZ	49.2521, 67.7974, 49.0184
YIQ	201.4140, -28.9700, -36.6660

Conversions

Conversions Part 2

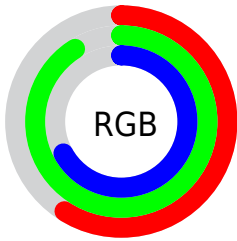
Format	Color
RYB	151, 217, 233
Decimal	9955755
CIELab	85.91, -37.64, 22.41
CIELCh	86, 43.809, 149.227
Yxy	67.7974, 0.2966, 0.4083
Android (android.graphics.Color)	4288145835 (0xFF97E9AB)
YUV	201.4140, -14.9941, -44.2131
Hunter-Lab	82.3392, -37.3218, 22.3407

Details

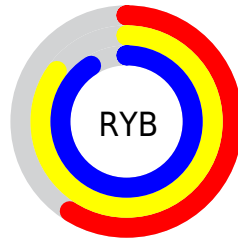
The XYZ color **49.2521, 67.7974, 49.0184** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.6834, 44.2624, 68.5095**, and the grayscale version is **55.8788, 58.7889, 64.0211**.

A 20% lighter version of the original color is **75.3573, 90.3314, 86.1370**, and **23.8160, 35.2391, 22.6861** is the 20% darker color. If you saturate the color by 10%, you get **43.7790, 65.1591, 40.5734**, and if you desaturate by 10%, it is **55.8072, 70.9714, 58.6854**.

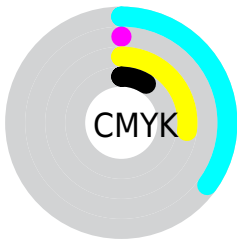
Distribution



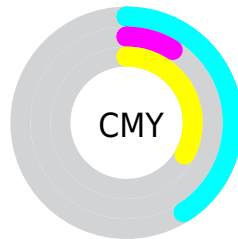
- Red (59%)
- Green (91%)
- Blue (67%)



- Red (59%)
- Yellow (85%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)





- Cyan (41%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2521, 67.7974, 49.0184 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 49.2521, 67.7974, 49.0184 by changing the saturation by 10% instead.


 49.2521, 67.7974,
49.0184


 49.2521, 67.7974,
49.0184


374.2345,
452.7779, 399.4393

 35.0349, 49.7329,
34.2684


 88.2642, 116.0623,
90.1001

 23.8564, 35.2012,
22.8208


 113.7898,
147.0314, 117.2688

 15.3513, 23.8179,
14.2572


143.8156,
183.0710, 149.4141

 9.1542, 15.1986,
8.1590

178.7069,
224.5653, 186.9546

 4.8998, 8.9589,
4.1076

218.8291,
271.8987, 230.3089

 2.2228, 4.7144,
1.6846

264.5475,

 0.7547, 2.0807,

325.4557, 279.8954

0.3501

316.2275,
385.6206, 336.1327

0.0000, 0.6537,
0.0000

0.0000, 0.0000,
0.0000

49.2521, 67.7974,
49.0184

49.2521, 67.7974,
49.0184

43.7790, 65.1591,
40.5734

55.8072, 70.9714,
58.6854

39.3231, 63.0185,
33.2971

63.4937, 74.7000,
69.6157

35.8211, 61.3457,
27.1391

72.3643, 79.0113,
81.8543

33.1996, 60.1044,
22.0436

82.4669, 83.9290,
95.4427

■ 31.3745, 59.2523,
17.9496

■ 88.4302, 86.7604,
106.6934

■ 30.2436, 58.7380,
14.7899

■ 29.8745, 58.5741,
13.5800

Harmonies

Analogous

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



55.4760, 67.7974, 35.3556



49.2521, 67.7974, 49.0184



47.0188, 67.7974, 73.0775

Triad

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



49.2521, 67.7974, 49.0184



64.1797, 67.7974, 143.9449



82.7730, 67.7974, 50.0069

Complementary

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



49.2521, 67.7974, 49.0184



56.6834, 44.2624, 68.5095

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.



85.7054, 67.7974, 74.5672



49.2521, 67.7974, 49.0184



74.3198, 67.7974, 133.2564

Square

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



49.2521, 67.7974, 49.0184



55.0693, 67.7974, 132.1551



82.4660, 67.7974, 105.8298



74.8163, 67.7974, 35.8135

Rectangle

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



49.2521, 67.7974, 49.0184



47.8944, 67.7974, 93.5385



82.4660, 67.7974, 105.8298



84.4134, 67.7974, 57.0876

Sweetspot

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



49.2539, 67.8002, 49.0199



82.2441, 93.7713, 91.4498



62.4200, 74.7915, 40.4252



17.2929, 19.9199, 19.1434



0.0000, 0.0000, 0.0000



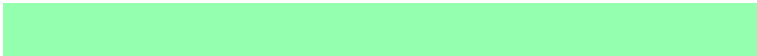
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2539, 67.8002, 49.0199



55.5968, 80.8634, 52.7334



53.6781, 69.5699, 72.3174



15.0190, 16.9224, 16.7827



16.9916, 33.2511, 7.9210



1.3714, 2.6259, 0.8174

Inverse Universe

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



56.6834, 44.2624, 68.5095



65.9401, 48.0588, 79.8406



52.2028, 42.4702, 44.9149



15.5486, 15.2473, 18.1745



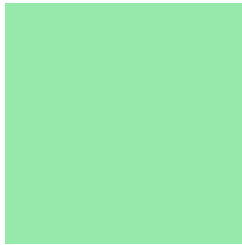
23.5754, 11.6328, 24.6291



1.8887, 0.9284, 2.1310

Previews

White Background



This preview shows how the XYZ color 49.2521, 67.7974, 49.0184 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 49.2521, 67.7974, 49.0184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

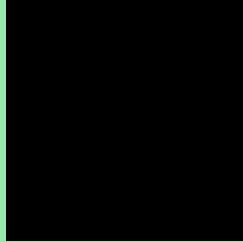
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2521, 67.7974, 49.0184

Background



This preview shows how black text looks on a background with the XYZ color 49.2521, 67.7974, 49.0184.



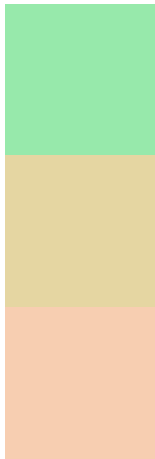
This preview shows how white text looks on a background with the XYZ color 49.2521, 67.7974,

49.0184.

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

49.2521, 67.7974, 49.0184

Protanopia

62.8813, 67.3598, 43.8700

Deuteranopia

68.3649, 67.0911, 50.9416



Tritanopia

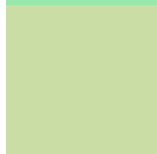
58.1997, 67.7214, 94.0085

Trichromacy



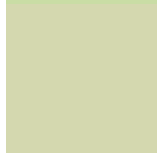
Original Color

49.2521, 67.7974, 49.0184



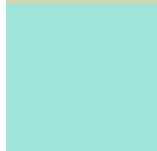
Protanomaly

56.7354, 66.8470, 45.5098



Deuteranomaly

59.4451, 66.2039, 50.2030



Tritanomaly

54.3610, 67.3696, 75.1043

Monochromacy



Original Color

49.2521, 67.7974, 49.0184



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.6170, 61.3735, 57.7883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2521, 67.7974, 49.0184 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(151, 233, 171)` looks like.

```
.text, #text, p{  
    color:rgb(151, 233, 171)  
}
```

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(151, 233, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 233, 171) }
```

Border

The CSS property to change the border of an element to XYZ 49.2521, 67.7974, 49.0184 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(151, 233, 171) }
```


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

```
.border{ border-color:rgb(151, 233, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 233, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 233, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 233, 171);  
box-shadow:4px 4px 4px 4px rgb(151, 233,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2521, 67.7974, 49.0184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 233, 171) }
```

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

```
.background{ background-color: rgb(151,  
233, 171) }
```

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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