

Converting Colors

XYZ(49.1017, 67.0789, 50.7999)

Have a look what the booklet for
XYZ(49.1017, 67.0789, 50.7999)
contains.

XYZ(49.1722, 67.2924, 50.9545)	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(49.1722, 67.2924,
50.9545)**

Conversions

Conversions Part 1

Format	Color
Hex	96E8AF
RGB	150, 232, 175
RGB Percent	59%, 91%, 69%
CMY	0.4118, 0.0902, 0.3137
CMYK	0.35, 0.00, 0.25, 0.09
HSL	138°, 64%, 75%
HSV	138°, 35%, 91%
XYZ	49.1722, 67.2924, 50.9545
YIQ	200.9840, -30.5750, -35.1110

Conversions

Conversions Part 2

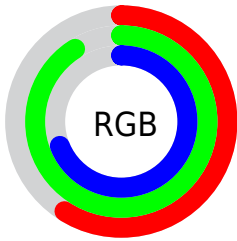
Format	Color
RYB	150, 213, 232
Decimal	9889967
CIELab	85.65, -36.77, 19.99
CIELCh	86, 41.846, 151.472
Yxy	67.2924, 0.2937, 0.4019
Android (android.graphics.Color)	4288080047 (0xFF96E8AF)
YUV	200.9840, -12.8101, -44.7130
Hunter-Lab	82.0319, -36.5581, 20.5941

Details

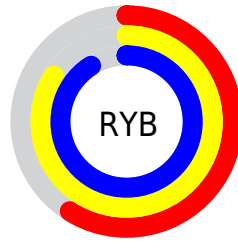
The XYZ color **49.1722, 67.2924, 50.9545** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.4499, 43.4751, 64.5034**, and the grayscale version is **55.5994, 58.4949, 63.7009**.

A 20% lighter version of the original color is **75.6374, 90.4113, 89.0659**, and **23.8621, 34.9426, 23.8993** is the 20% darker color. If you saturate the color by 10%, you get **43.8279, 64.7114, 42.9245**, and if you desaturate by 10%, it is **55.5545, 70.3904, 60.0236**.

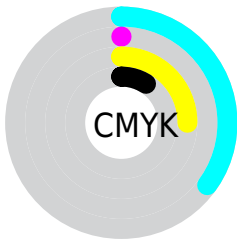
Distribution



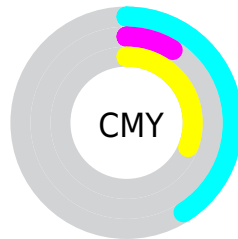
- Red (59%)
- Green (91%)
- Blue (69%)



- Red (59%)
- Yellow (84%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)





- Cyan (41%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1722, 67.2924, 50.9545 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 49.1722, 67.2924, 50.9545 by changing the saturation by 10% instead.


 49.1722, 67.2924,
50.9545


 49.1722, 67.2924,
50.9545


373.9256,
450.9849, 407.2285

 34.9712, 49.3223,
35.7959


 88.1463, 115.3393,
92.9983

 23.8071, 34.8752,
23.9882


 113.6502,
146.1849, 120.7207

 15.3145, 23.5668,
15.1127


143.6524,
182.0910, 153.4680

 9.1282, 15.0126,
8.7510

178.5182,
223.4422, 191.6588

 4.8827, 8.8282,
4.4846

218.6131,
270.6228, 235.7118

 2.2126, 4.6293,
1.8948

264.3024,

 0.7494, 2.0314,

324.0172, 286.0453

0.4894

315.9514,
384.0097, 343.0781

■ 0.0000, 0.6256,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.1722, 67.2924,
50.9545

■ 49.1722, 67.2924,
50.9545

■ 43.8279, 64.7114,
42.9245

■ 55.5545, 70.3904,
60.0236

■ 39.4594, 62.6105,
35.8917

■ 63.0217, 74.0232,
70.1625

■ 36.0061, 60.9611,
29.8180

■ 71.6243, 78.2180,
81.4064

■ 33.3980, 59.7281,
24.6613

■ 81.4080, 82.9978,
93.7876

■ 31.5544, 58.8705,
20.3759

■ 88.1479, 86.1957,
106.5993

■ 30.3769, 58.3390,
16.9121

■ 29.9866, 58.1672,
15.5630

Harmonies

Analogous

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



54.8612, 67.2924, 37.0045



49.1722, 67.2924, 50.9545



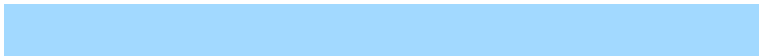
47.3334, 67.2924, 74.6265

Triad

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



49.1722, 67.2924, 50.9545



64.4313, 67.2924, 139.2542



80.8967, 67.2924, 49.1434

Complementary

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



49.1722, 67.2924, 50.9545



55.4499, 43.4751, 64.5034

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.



84.0834, 67.2924, 71.9300



49.1722, 67.2924, 50.9545



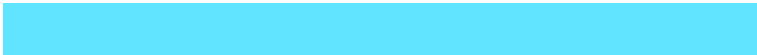
74.0117, 67.2924, 127.7662

Square

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



49.1722, 67.2924, 50.9545



55.6006, 67.2924, 129.7294



81.4486, 67.2924, 101.3018



73.1167, 67.2924, 36.1560

Rectangle

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



49.1722, 67.2924, 50.9545



48.3766, 67.2924, 94.2090



81.4486, 67.2924, 101.3018



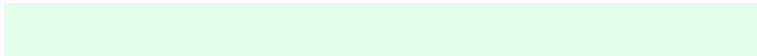
82.5735, 67.2924, 55.6890

Sweetspot

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



49.1740, 67.2952, 50.9560



82.4908, 93.8700, 92.7487



60.2081, 73.2414, 39.8187



17.3513, 19.9433, 19.4513



0.0000, 0.0000, 0.0000



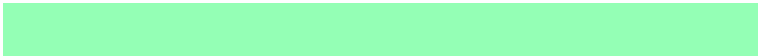
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1740, 67.2952, 50.9560



56.2492, 81.1244, 56.1691



53.7794, 69.1374, 75.2080



14.3693, 16.1612, 16.2096



16.6958, 32.3104, 8.8984



1.2740, 2.4037, 0.8695

Inverse Universe

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



55.4499, 43.4751, 64.5034



65.0458, 47.7011, 75.1314



51.1068, 41.7379, 41.6329



14.7982, 14.5365, 17.1375



22.1183, 10.9815, 20.0495



1.6754, 0.8279, 1.6970

Previews

White Background



This preview shows how the XYZ color 49.1722, 67.2924, 50.9545 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 49.1722, 67.2924, 50.9545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

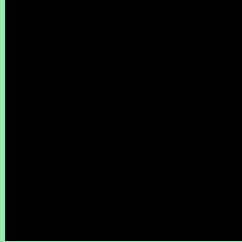
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1722, 67.2924, 50.9545

Background



This preview shows how black text looks on a background with the XYZ color 49.1722, 67.2924, 50.9545.

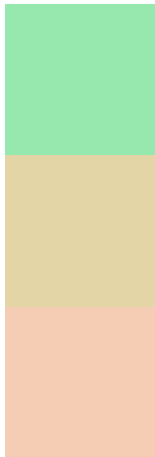


This preview shows how white text looks on a background with the XYZ color 49.1722, 67.2924,

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

49.1722, 67.2924, 50.9545

Protanopia

62.3557, 66.6726, 45.6590

Deuteranopia

67.8280, 66.4113, 52.9598



Tritanopia

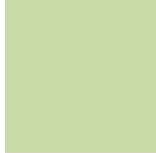
57.5747, 67.0187, 93.1205

Trichromacy



Original Color

49.1722, 67.2924, 50.9545



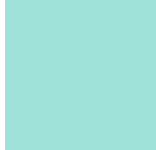
Protanomaly

56.3078, 66.1931, 47.3449



Deuteranomaly

59.0155, 65.5572, 52.1912



Tritanomaly

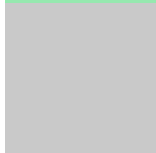
54.0188, 66.7734, 75.6871

Monochromacy



Original Color

49.1722, 67.2924, 50.9545



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.3493, 60.8378, 58.8529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1722, 67.2924, 50.9545 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(150, 232, 175)` looks like.

```
.text, #text, p{  
    color:rgb(150, 232, 175)  
}
```

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(150, 232, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 232, 175) }
```

Border

The CSS property to change the border of an element to XYZ 49.1722, 67.2924, 50.9545 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(150, 232, 175) }
```


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

```
.border{ border-color:rgb(150, 232, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 232, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 232, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 232, 175);  
box-shadow:4px 4px 4px 4px rgb(150, 232,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1722, 67.2924, 50.9545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 232, 175) }
```

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

```
.background{ background-color: rgb(150,  
232, 175) }
```

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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