

Converting Colors

XYZ(49.0280, 69.2609, 48.5694)

Have a look what the booklet for
XYZ(49.0280, 69.2609, 48.5694)
contains.

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Color

**XYZ(49.2169, 69.4904,
48.8492)**

Conversions

Conversions Part 1

Format	Color
Hex	91EDAA
RGB	145, 237, 170
RGB Percent	57%, 93%, 67%
CMY	0.4314, 0.0706, 0.3333
CMYK	0.39, 0.00, 0.28, 0.07
HSL	136°, 72%, 75%
HSV	136°, 39%, 93%
XYZ	49.2169, 69.4904, 48.8492
YIQ	201.8540, -33.3250, -40.3410

Conversions

Conversions Part 2

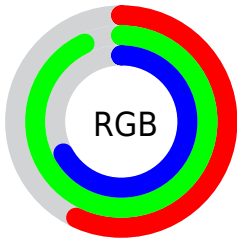
Format	Color
RYB	145, 217, 237
Decimal	9563562
CIELab	86.75, -41.36, 24.04
CIELCh	87, 47.842, 149.833
Yxy	69.4904, 0.2937, 0.4147
Android (android.graphics.Color)	4287753642 (0xFF91EDAA)
YUV	201.8540, -15.7040, -49.8610
Hunter-Lab	83.3609, -40.4938, 23.6089

Details

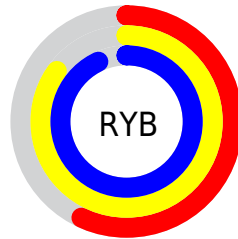
The XYZ color **49.2169, 69.4904, 48.8492** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.9363, 43.0102, 67.5907**, and the grayscale version is **56.1591, 59.0838, 64.3422**.

A 20% lighter version of the original color is **73.8446, 89.5675, 85.3477**, and **23.9512, 36.5058, 22.6136** is the 20% darker color. If you saturate the color by 10%, you get **43.9414, 66.9492, 40.6320**, and if you desaturate by 10%, it is **55.5816, 72.5722, 58.2395**.

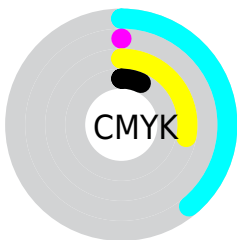
Distribution



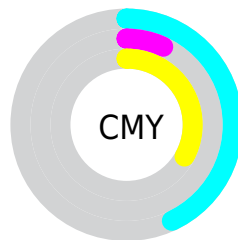
- Red (57%)
- Green (93%)
- Blue (67%)



- Red (57%)
- Yellow (85%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (43%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2169, 69.4904, 48.8492 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 49.2169, 69.4904, 48.8492 by changing the saturation by 10% instead.


 49.2169, 69.4904,
48.8492


 49.2169, 69.4904,
48.8492


374.0984,
458.7587, 398.7537

 35.0068, 51.1112,
34.1351


 88.2123, 118.4817,
89.8461

 23.8347, 36.2971,
22.7192


 113.7283,
149.8627, 116.9660

 15.3351, 24.6637,
14.1830


143.7437,
186.3463, 149.0583

 9.1427, 15.8267,
8.1078

178.6238,
228.3170, 186.5414

 4.8923, 9.4016,
4.0753

218.7340,
276.1592, 229.8340

 2.2183, 5.0041,
1.6667


264.4395,

 0.7524, 2.2496,


330.2573, 279.3546


0.3378


316.1059,
390.9956, 335.5216


 0.0000, 0.7469,
0.0000


 0.0000, 0.0000,
0.0000


 49.2169, 69.4904,
48.8492


 49.2169, 69.4904,
48.8492


 43.9414, 66.9492,
40.6320

 55.5816, 72.5722,
58.2395


 39.6867, 64.9084,
33.5369

 63.0876, 76.2149,
68.8417

 36.3851, 63.3362,
27.5162

 71.7905, 80.4479,
80.6988

 33.9579, 62.1931,
22.5168

 81.7402, 85.2964,
93.8501

■ 32.3130, 61.4327,
18.4810

■ 89.5755, 89.0511,
107.0752

■ 31.3170, 60.9877,
15.3440

■ 31.2225, 60.9458,
15.0290

Harmonies

Analogous

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



55.9619, 69.4904, 33.9702



49.2169, 69.4904, 48.8492



46.8725, 69.4904, 75.4852

Triad

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



49.2169, 69.4904, 48.8492



65.9863, 69.4904, 155.0122



86.4115, 69.4904, 49.0801

Complementary

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



49.2169, 69.4904, 48.8492



56.9363, 43.0102, 67.5907

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.



89.8493, 69.4904, 75.8416



49.2169, 69.4904, 48.8492



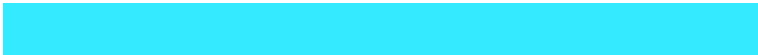
77.2797, 69.4904, 142.2736

Square

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



49.2169, 69.4904, 48.8492



55.8654, 69.4904, 142.0022



86.3371, 69.4904, 110.8388



77.3995, 69.4904, 34.0748

Rectangle

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



49.2169, 69.4904, 48.8492



47.8899, 69.4904, 98.4266



86.3371, 69.4904, 110.8388



88.2995, 69.4904, 56.7116

Sweetspot

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



49.2187, 69.4933, 48.8508



81.2919, 93.2982, 90.6015



62.6837, 76.6825, 38.2860



17.1069, 19.8271, 18.9948



0.0000, 0.0000, 0.0000



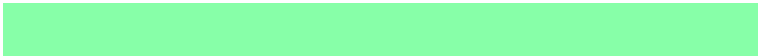
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2187, 69.4933, 48.8508



52.8175, 79.5000, 49.4694



54.2977, 71.5249, 75.5964



15.0365, 16.9294, 16.8748



17.0926, 33.2915, 8.4528



1.3814, 2.6299, 0.8702

Inverse Universe

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



56.9363, 43.0102, 67.5907



63.1677, 43.9270, 74.5607



51.9782, 41.0269, 41.4817



15.5300, 15.2399, 18.0762



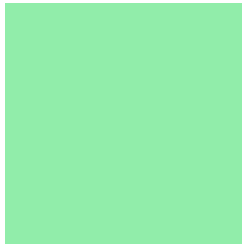
23.2225, 11.4917, 22.7707



1.8635, 0.9183, 1.9984

Previews

White Background



This preview shows how the XYZ color 49.2169, 69.4904, 48.8492 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 49.2169, 69.4904, 48.8492 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 49.2169, 69.4904, 48.8492

Background



This preview shows how black text looks on a background with the XYZ color 49.2169, 69.4904, 48.8492.



This preview shows how white text looks on a background with the XYZ color 49.2169, 69.4904,

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

49.2169, 69.4904, 48.8492

Protanopia

64.1797, 68.8056, 43.1559

Deuteranopia

70.1760, 68.7556, 50.6468



Tritanopia

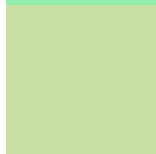
58.8016, 69.1691, 97.4406

Trichromacy



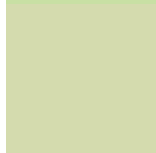
Original Color

49.2169, 69.4904, 48.8492



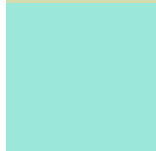
Protanomaly

57.1759, 68.2710, 45.2861



Deuteranomaly

60.1229, 67.7161, 49.9461



Tritanomaly

54.7484, 69.1823, 76.7977

Monochromacy



Original Color

49.2169, 69.4904, 48.8492



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.6508, 62.1423, 57.9349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2169, 69.4904, 48.8492 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(145, 237, 170)` looks like.

```
.text, #text, p{  
    color:rgb(145, 237, 170)  
}
```

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(145, 237, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 237, 170) }
```

Border

The CSS property to change the border of an element to XYZ 49.2169, 69.4904, 48.8492 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(145, 237, 170) }
```


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

```
.border{ border-color:rgb(145, 237, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 237, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 237, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 237, 170);  
box-shadow:4px 4px 4px 4px rgb(145, 237,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2169, 69.4904, 48.8492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 237, 170) }
```

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

```
.background{ background-color: rgb(145,  
237, 170) }
```

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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