

Converting Colors

XYZ(48.8908, 69.6464, 47.9469)

Have a look what the booklet for
XYZ(48.8908, 69.6464, 47.9469)
contains.

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Color

**XYZ(48.9701, 69.8159,
47.9406)**

Conversions

Conversions Part 1

Format	Color
Hex	8FEEA8
RGB	143, 238, 168
RGB Percent	56%, 93%, 66%
CMY	0.4392, 0.0666, 0.3412
CMYK	0.40, 0.00, 0.29, 0.07
HSL	136°, 74%, 75%
HSV	136°, 40%, 93%
XYZ	48.9701, 69.8159, 47.9406
YIQ	201.6150, -34.1500, -41.9100

Conversions

Conversions Part 2

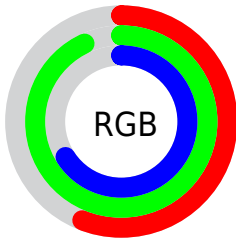
Format	Color
RYB	143, 218, 238
Decimal	9432744
CIELab	86.91, -42.73, 25.27
CIELCh	87, 49.641, 149.395
Yxy	69.8159, 0.2937, 0.4187
Android (android.graphics.Color)	4287622824 (0xFF8FEEA8)
YUV	201.6150, -16.5722, -51.4054
Hunter-Lab	83.5559, -41.6083, 24.4712

Details

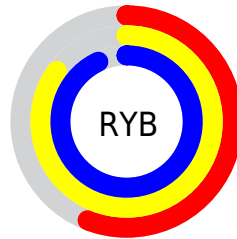
The XYZ color **48.9701, 69.8159, 47.9406** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.0949, 42.6276, 68.1721**, and the grayscale version is **56.0158, 58.9330, 64.1780**.

A 20% lighter version of the original color is **72.8987, 89.1271, 83.1731**, and **23.6067, 36.3349, 22.2921** is the 20% darker color. If you saturate the color by 10%, you get **43.7538, 67.3050, 39.7360**, and if you desaturate by 10%, it is **55.2844, 72.8713, 57.3499**.

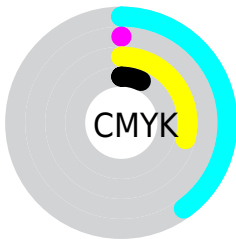
Distribution



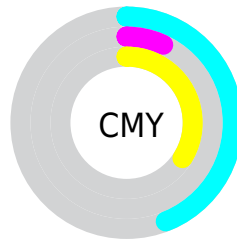
- Red (56%)
- Green (93%)
- Blue (66%)



- Red (56%)
- Yellow (85%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)





- Cyan (44%)
- Magenta (7%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9701, 69.8159, 47.9406 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 48.9701, 69.8159, 47.9406 by changing the saturation by 10% instead.


 48.9701, 69.8159,
47.9406


 48.9701, 69.8159,
47.9406


373.1435,
459.9033, 395.0585

 34.8102, 51.3765,
33.4202


 87.8480, 118.9462,
88.4806

 23.6825, 36.5083,
22.1748


 113.2968,
150.4058, 115.3372

 15.2218, 24.8270,
13.7858


143.2392,
186.9743, 147.1431

 9.0625, 15.9482,
7.8348

178.0406,
229.0360, 184.3166

 4.8394, 9.4875,
3.9032

218.0664,
276.9754, 227.2764

 2.1871, 5.0605,
1.5724


263.6819,

 0.7359, 2.2828,


331.1768, 276.4409


0.2710


315.2525,
392.0247, 332.2288


 0.0000, 0.7646,
0.0000

 0.0000, 0.0000,
0.0000


 48.9701, 69.8159,
47.9406


 48.9701, 69.8159,
47.9406


 43.7538, 67.3050,
39.7360


 55.2844, 72.8713,
57.3499

 39.5656, 65.2977,
32.6826

 62.7505, 76.4921,
68.0050

 36.3357, 63.7610,
26.7298

 71.4249, 80.7085,
79.9510

 33.9831, 62.6544,
21.8214

 81.3589, 85.5461,
93.2293

■ 32.4122, 61.9298,
17.8962

■ 89.8659, 89.6318,
107.1720

■ 31.4694, 61.5095,
14.8842

■ 31.4629, 61.5066,
14.8627

Harmonies

Analogous

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



56.0124, 69.8159, 32.8765



48.9701, 69.8159, 47.9406



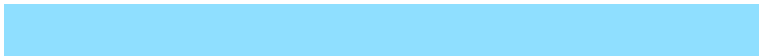
46.4801, 69.8159, 75.3459

Triad

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



48.9701, 69.8159, 47.9406



66.1230, 69.8159, 159.3343



87.7229, 69.8159, 48.8039

Complementary

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



48.9701, 69.8159, 47.9406



57.0949, 42.6276, 68.1721

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.



91.2219, 69.8159, 76.6934



48.9701, 69.8159, 47.9406



77.9048, 69.8159, 146.2610

Square

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



48.9701, 69.8159, 47.9406



55.6493, 69.8159, 145.2213



87.4399, 69.8159, 113.3491



78.3591, 69.8159, 33.2633

Rectangle

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



48.9701, 69.8159, 47.9406



47.4834, 69.8159, 99.2358



87.4399, 69.8159, 113.3491



89.6692, 69.8159, 56.7368

Sweetspot

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



48.9719, 69.8188, 47.9422



81.2545, 93.2832, 90.4044



63.3396, 77.4694, 37.6019



17.0981, 19.8236, 18.9486



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.



48.9719, 69.8188, 47.9422



52.1441, 79.1838, 48.0427



54.0739, 71.8596, 74.8087



15.7367, 17.7247, 17.6362



17.5976, 34.3310, 8.5297



1.5036, 2.8719, 0.9182

Inverse Universe

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



57.0949, 42.6276, 68.1721



62.8638, 43.2421, 74.6966



52.0363, 40.6042, 41.5340



16.2663, 15.9562, 18.9586



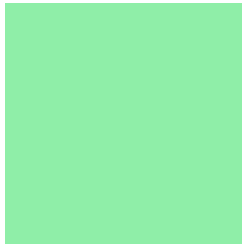
24.0647, 11.8983, 24.0550



2.0426, 1.0061, 2.2153

Previews

White Background



This preview shows how the XYZ color 48.9701, 69.8159, 47.9406 looks on a white background.

Color Contrast Check

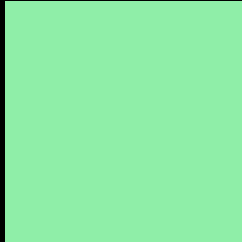
Large Text (above 18pt) WCAG AA × Fail

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 48.9701, 69.8159, 47.9406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

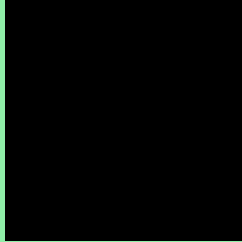
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9701, 69.8159, 47.9406

Background



This preview shows how black text looks on a background with the XYZ color 48.9701, 69.8159, 47.9406.



This preview shows how white text looks on a background with the XYZ color 48.9701, 69.8159,

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

48.9701, 69.8159, 47.9406

Protanopia

64.3317, 68.9040, 42.2569

Deuteranopia

70.4386, 68.9023, 50.1444



Tritanopia

58.8752, 69.6142, 97.5226

Trichromacy



Original Color

48.9701, 69.8159, 47.9406



Protanomaly

56.9967, 68.1993, 44.3422



Deuteranomaly

59.9293, 67.6386, 48.9267



Tritanomaly

54.8379, 69.6452, 76.8823

Monochromacy



Original Color

48.9701, 69.8159, 47.9406



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 48.9701, 69.8159, 47.9406 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(143, 238, 168)` looks like.

```
.text, #text, p{  
    color:rgb(143, 238, 168)  
}
```

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(143, 238, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 238, 168) }
```

Border

The CSS property to change the border of an element to XYZ 48.9701, 69.8159, 47.9406 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(143, 238, 168) }
```


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

```
.border{ border-color:rgb(143, 238, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 238, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 238, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 238, 168);  
box-shadow:4px 4px 4px 4px rgb(143, 238,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9701, 69.8159, 47.9406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 238, 168) }
```

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

```
.background{ background-color: rgb(143,  
238, 168) }
```

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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