

Converting Colors

XYZ(50.3146, 72.6071, 48.7371)

Have a look what the booklet for
XYZ(50.3146, 72.6071, 48.7371)
contains.

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Color

**XYZ(50.3674, 72.7165,
48.9172)**

Conversions

Conversions Part 1

Format	Color
Hex	8EF3A9
RGB	142, 243, 169
RGB Percent	56%, 95%, 66%
CMY	0.4431, 0.0470, 0.3372
CMYK	0.42, 0.00, 0.30, 0.05
HSL	136°, 81%, 75%
HSV	136°, 42%, 95%
XYZ	50.3674, 72.7165, 48.9172
YIQ	204.3650, -36.4420, -44.4260

Conversions

Conversions Part 2

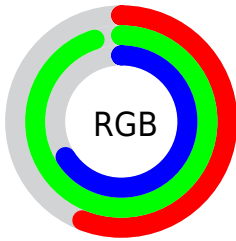
Format	Color
RYB	142, 222, 243
Decimal	9368489
CIELab	88.31, -45.01, 26.67
CIELCh	88, 52.317, 149.350
Yxy	72.7165, 0.2928, 0.4228
Android (android.graphics.Color)	4287558569 (0xFF8EF3A9)
YUV	204.3650, -17.4349, -54.6941
Hunter-Lab	85.2740, -43.7977, 25.6802

Details

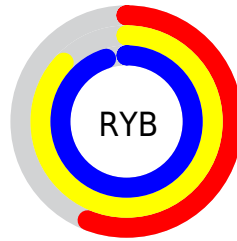
The XYZ color **50.3674, 72.7165, 48.9172** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.0322, 43.3602, 70.2266**, and the grayscale version is **57.7505, 60.7580, 66.1655**.

A 20% lighter version of the original color is **72.9038, 89.0984, 84.5894**, and **24.4576, 38.3101, 22.6285** is the 20% darker color. If you saturate the color by 10%, you get **45.0847, 70.1754, 40.5315**, and if you desaturate by 10%, it is **56.7903, 75.8232, 58.5475**.

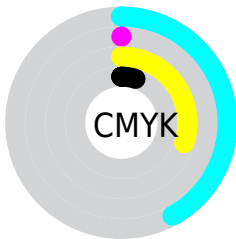
Distribution



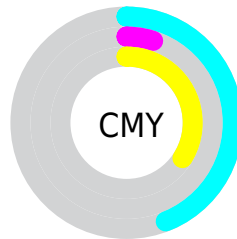
- Red (56%)
- Green (95%)
- Blue (66%)



- Red (56%)
- Yellow (87%)
- Blue (95%)



- Cyan (42%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)




- Cyan (44%)
- Magenta (5%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3674, 72.7165, 48.9172 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 50.3674, 72.7165, 48.9172 by changing the saturation by 10% instead.


 50.3674, 72.7165,
48.9172


 50.3674, 72.7165,
48.9172


378.5292,
470.0317, 399.0294

 35.9244, 53.7442,
34.1887


 89.9076, 123.0747,
89.9482

 24.5457, 38.3972,
22.7600


 115.7354,
155.2293, 117.0877

 15.8658, 26.2911,
14.2128


146.0890,
192.5468, 149.2013

 9.5195, 17.0415,
8.1284

181.3336,
235.4116, 186.7075

 5.1414, 10.2641,
4.0883

221.8345,
284.2081, 230.0249

 2.3660, 5.5744,
1.6739

267.9572,

 0.8281, 2.5881,

339.3207, 279.5720

0.3427

320.0670,
401.1337, 335.7673

0.0000, 0.9207,
0.0000

0.0000, 0.0000,
0.0000

50.3674, 72.7165,
48.9172

50.3674, 72.7165,
48.9172

45.0847, 70.1754,
40.5315

56.7903, 75.8232,
58.5475

40.8678, 68.1564,
33.3347

64.4106, 79.5179,
69.4655

37.6419, 66.6242,
27.2738

73.2885, 83.8326,
81.7182

35.3198, 65.5350,
22.2901

83.4783, 88.7945,
95.3487

■ 33.7980, 64.8368,
18.3191

■ 91.3419, 92.5839,
107.6640

■ 33.0049, 64.4851,
15.7024

Harmonies

Analogous

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



57.9510, 72.7165, 32.9295



50.3674, 72.7165, 48.9172



47.6882, 72.7165, 78.3952

Triad

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



50.3674, 72.7165, 48.9172



68.8417, 72.7165, 170.3129



92.3492, 72.7165, 49.9080

Complementary

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



50.3674, 72.7165, 48.9172



59.0322, 43.3602, 70.2266

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.



96.1553, 72.7165, 79.9618



50.3674, 72.7165, 48.9172



81.6276, 72.7165, 155.9638

Square

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



50.3674, 72.7165, 48.9172



57.5308, 72.7165, 154.7362



92.0178, 72.7165, 119.8817



82.1581, 72.7165, 33.3679

Rectangle

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



50.3674, 72.7165, 48.9172



48.7591, 72.7165, 104.3481



92.0178, 72.7165, 119.8817



94.4687, 72.7165, 58.4172

Sweetspot

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



50.3693, 72.7195, 48.9188



81.2726, 93.2905, 90.5000



65.2743, 80.6666, 37.7219



17.1024, 19.8253, 18.9710



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.



50.3693, 72.7195, 48.9188



51.0717, 78.6644, 46.4807



56.0515, 74.9924, 78.8408



16.4641, 18.5448, 18.4624



18.1611, 35.4093, 8.8683



1.6372, 3.1285, 0.9953

Inverse Universe

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



59.0322, 43.3602, 70.2266



61.9341, 41.7842, 73.1490



53.4805, 41.1395, 40.9916



17.0135, 16.6882, 19.8175



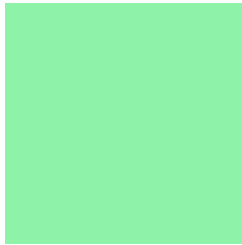
24.7577, 12.2465, 24.4963



2.2185, 1.0934, 2.3769

Previews

White Background



This preview shows how the XYZ color 50.3674, 72.7165, 48.9172 looks on a white background.

Color Contrast Check

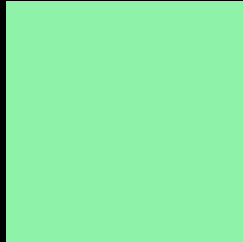
Large Text (above 18pt) WCAG AA × Fail

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 50.3674, 72.7165, 48.9172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

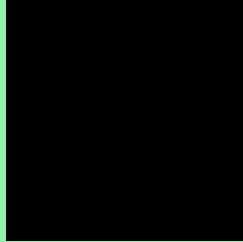
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3674, 72.7165, 48.9172

Background



This preview shows how black text looks on a background with the XYZ color 50.3674, 72.7165, 48.9172.



This preview shows how white text looks on a background with the XYZ color 50.3674, 72.7165,

48.9172.

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

50.3674, 72.7165, 48.9172

Protanopia

66.7763, 71.6941, 43.1198

Deuteranopia

72.9202, 71.6016, 52.6250



Tritanopia

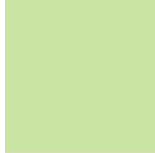
61.0487, 72.7164, 102.0849

Trichromacy



Original Color

50.3674, 72.7165, 48.9172



Protanomaly

58.7114, 70.6877, 45.2000



Deuteranomaly

61.8571, 70.1666, 50.8407



Tritanomaly

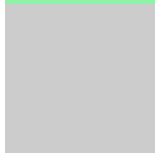
56.4722, 72.5611, 79.4359

Monochromacy



Original Color

50.3674, 72.7165, 48.9172



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.5314, 63.7282, 58.7696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3674, 72.7165, 48.9172 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(142, 243, 169)` looks like.

```
.text, #text, p{  
    color:rgb(142, 243, 169)  
}
```

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(142, 243, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 243, 169) }
```

Border

The CSS property to change the border of an element to XYZ 50.3674, 72.7165, 48.9172 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(142, 243, 169) }
```


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

```
.border{ border-color:rgb(142, 243, 169) }
```

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

Here you see how a box with a 4 pixel rgb(142, 243, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 243, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 243, 169);  
box-shadow:4px 4px 4px 4px rgb(142, 243,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3674, 72.7165, 48.9172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 243, 169) }
```

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

```
.background{ background-color: rgb(142,  
243, 169) }
```

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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