

Converting Colors

XYZ(48.0739, 72.1982, 38.1424)

Have a look what the booklet for
XYZ(48.0739, 72.1982, 38.1424)
contains.

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Color

**XYZ(48.1090, 72.2347,
38.1951)**

Conversions

Conversions Part 1

Format	Color
Hex	8BF491
RGB	139, 244, 145
RGB Percent	55%, 96%, 57%
CMY	0.4549, 0.0431, 0.4314
CMYK	0.43, 0.00, 0.41, 0.04
HSL	123°, 83%, 75%
HSV	123°, 43%, 96%
XYZ	48.1090, 72.2347, 38.1951
YIQ	201.3190, -30.8010, -53.0490

Conversions

Conversions Part 2

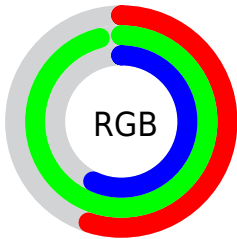
Format	Color
RYB	139, 238, 244
Decimal	9172113
CIELab	88.08, -50.15, 38.40
CIELCh	88, 63.165, 142.561
Yxy	72.2347, 0.3035, 0.4556
Android (android.graphics.Color)	4287362193 (0xFF8BF491)
YUV	201.3190, -27.7653, -54.6538
Hunter-Lab	84.9910, -47.6947, 32.8487

Details

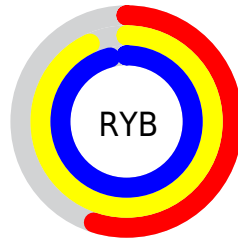
The XYZ color **48.1090, 72.2347, 38.1951** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.9758, 43.8728, 86.0933**, and the grayscale version is **55.8975, 58.8086, 64.0425**.

A 20% lighter version of the original color is **69.2113, 87.5604, 67.8966**, and **23.1394, 38.0803, 16.4866** is the 20% darker color. If you saturate the color by 10%, you get **42.8826, 69.7271, 29.6098**, and if you desaturate by 10%, it is **54.6074, 75.3607, 48.7179**.

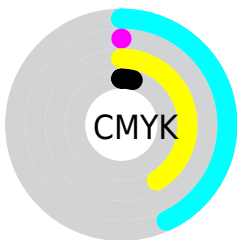
Distribution



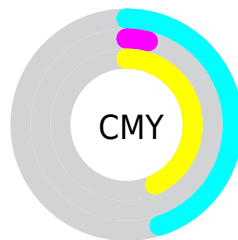
- Red (55%)
- Green (96%)
- Blue (57%)



- Red (55%)
- Yellow (93%)
- Blue (96%)



- Cyan (43%)
- Magenta (0%)
- Yellow (41%)
- Black (4%)



- Cyan (45%)
- Magenta (4%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1090, 72.2347, 38.1951 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 48.1090, 72.2347, 38.1951 by changing the saturation by 10% instead.

■ 48.1090, 72.2347,
38.1951

■ 48.1090, 72.2347,
38.1951

369.7994,
468.3581, 353.7794

■ 34.1248, 53.3504,
25.8311

■ 86.5754, 122.3902,
73.6138

■ 23.1529, 38.0826,
16.4727

■ 111.7883,
154.4301, 97.5057

■ 14.8277, 26.0468,
9.7013

141.4749,
191.6241, 126.0772

■ 8.7841, 16.8586,
5.0984

176.0004,
234.3565, 159.7470

■ 4.6566, 10.1338,
2.2453

215.7302,
283.0117, 198.9336

■ 2.0799, 5.4877,
0.7004


261.0298,

■ 0.6782, 2.5362,


337.9741, 244.0555


0.0000


312.2644,
399.6281, 295.5312


 0.0000, 0.8947,
0.0000


 0.0000, 0.0000,
0.0000


 48.1090, 72.2347,
38.1951


 48.1090, 72.2347,
38.1951


 42.8826, 69.7271,
29.6098

 54.6074, 75.3607,
48.7179


 38.8398, 67.7886,
22.8396

 62.4480, 79.1327,
61.2813

 35.8894, 66.3771,
17.7553

 71.7021, 83.5875,
75.9868

 33.9247, 65.4408,
14.2090

 82.4347, 88.7565,
92.9277

■ 32.8173, 64.9170,
12.0271

■ 91.6421, 93.1842,
107.7640

■ 32.4310, 64.7358,
11.1995

Harmonies

Analogous

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



58.1206, 72.2347, 24.1832



48.1090, 72.2347, 38.1951



43.7288, 72.2347, 68.3814

Triad

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



48.1090, 72.2347, 38.1951



64.9705, 72.2347, 193.0947



99.0705, 72.2347, 50.8954

Complementary

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



48.1090, 72.2347, 38.1951



61.9758, 43.8728, 86.0933

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.



101.6144, 72.2347, 89.9011



48.1090, 72.2347, 38.1951



80.3953, 72.2347, 182.9810

Square

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



48.1090, 72.2347, 38.1951



52.4934, 72.2347, 164.7441



94.3532, 72.2347, 140.7149



87.8383, 72.2347, 29.4197

Rectangle

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



48.1090, 72.2347, 38.1951



44.0629, 72.2347, 98.1325



94.3532, 72.2347, 140.7149



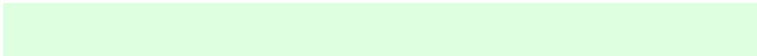
101.0309, 72.2347, 61.9357

Sweetspot

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



48.1108, 72.2377, 38.1967



79.2582, 92.3939, 83.9961



72.5262, 84.8764, 36.9868



16.4505, 19.5286, 17.1640



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.



48.1108, 72.2377, 38.1967



47.8706, 77.2980, 33.5086



53.0496, 74.2132, 64.2037



16.3206, 18.4874, 17.7067



17.6489, 35.2044, 6.1707



1.5644, 3.0994, 0.6121

Inverse Universe

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



61.9758, 43.8728, 86.0933



65.1024, 42.0189, 93.0161



55.4325, 41.2555, 51.6369



17.1703, 16.7510, 20.6435



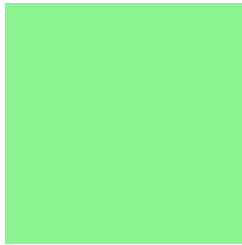
28.0743, 13.5732, 41.9611



2.4797, 1.1978, 3.7525

Previews

White Background



This preview shows how the XYZ color 48.1090, 72.2347, 38.1951 looks on a white background.

Color Contrast Check

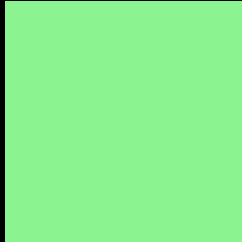
Large Text (above 18pt) WCAG AA × Fail

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 48.1090, 72.2347, 38.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

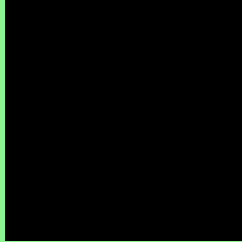
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

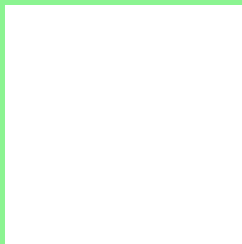
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1090, 72.2347, 38.1951

Background



This preview shows how black text looks on a background with the XYZ color 48.1090, 72.2347, 38.1951.



This preview shows how white text looks on a background with the XYZ color 48.1090, 72.2347,

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

48.1090, 72.2347, 38.1951

Protanopia

65.9723, 71.4892, 33.6142

Deuteranopia

71.7585, 71.1370, 46.5079



Tritanopia

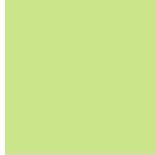
60.8099, 72.1924, 101.1720

Trichromacy



Original Color

48.1090, 72.2347, 38.1951



Protanomaly

57.3081, 70.5992, 35.0327



Deuteranomaly

60.3542, 69.9606, 43.1236



Tritanomaly

55.0160, 71.5167, 73.1918

Monochromacy



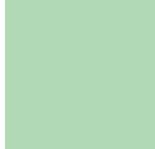
Original Color

48.1090, 72.2347, 38.1951



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.5134, 62.4269, 53.0506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1090, 72.2347, 38.1951 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(139, 244, 145)` looks like.

```
.text, #text, p{  
    color:rgb(139, 244, 145)  
}
```

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(139, 244, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 244, 145) }
```

Border

The CSS property to change the border of an element to XYZ 48.1090, 72.2347, 38.1951 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(139, 244, 145) }
```


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

```
.border{ border-color:rgb(139, 244, 145) }
```

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

Here you see how a box with a 4 pixel rgb(139, 244, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 244, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 244, 145);  
box-shadow:4px 4px 4px 4px rgb(139, 244,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1090, 72.2347, 38.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 244, 145) }
```

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

```
.background{ background-color: rgb(139,  
244, 145) }
```

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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