

Converting Colors

XYZ(48.2366, 72.0653, 45.9212)

Have a look what the booklet for
XYZ(48.2366, 72.0653, 45.9212)
contains.

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Color

**XYZ(48.3216, 72.1710,
46.0339)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 83F4A3 |
| RGB | 131, 244, 163 |
| RGB Percent | 51%, 96%, 64% |
| CMY | 0.4863, 0.0431, 0.3608 |
| CMYK | 0.46, 0.00, 0.33, 0.04 |
| HSL | 137°, 84%, 74% |
| HSV | 137°, 46%, 96% |
| XYZ | 48.3216, 72.1710, 46.0339 |
| YIQ | 200.9790, -41.3470, -49.1470 |

Conversions

Conversions Part 2

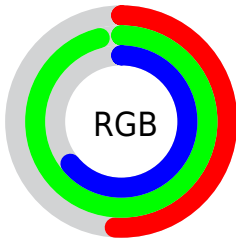
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 131, 219, 244 |
| Decimal | 8647843 |
| CIELab | 88.05, -49.44, 29.29 |
| CIELCh | 88, 57.461, 149.353 |
| Yxy | 72.1710, 0.2902, 0.4334 |
| Android (android.graphics.Color) | 4286837923 (0xFF83F4A3) |
| YUV | 200.9790, -18.7236, -61.3716 |
| Hunter-Lab | 84.9535, -47.1378, 27.3399 |

Details

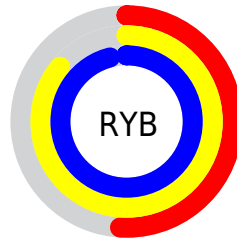
The XYZ color **48.3216, 72.1710, 46.0339** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.3105, 40.2206, 67.0326**, and the grayscale version is **55.6366, 58.5340, 63.7436**.

A 20% lighter version of the original color is **69.4012, 87.4008, 79.5419**, and **23.3121, 38.0661, 21.1577** is the 20% darker color. If you saturate the color by 10%, you get **43.5180, 69.8654, 38.1872**, and if you desaturate by 10%, it is **54.2355, 75.0280, 55.0672**.

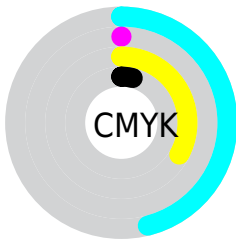
Distribution



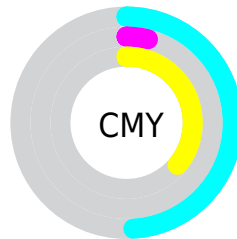
- Red (51%)
- Green (96%)
- Blue (64%)



- Red (51%)
- Yellow (86%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)





- Cyan (49%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3216, 72.1710, 46.0339 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 48.3216, 72.1710, 46.0339 by changing the saturation by 10% instead.

 48.3216, 72.1710,
46.0339


 48.3216, 72.1710,
46.0339


370.6269,
468.1366, 387.2265


 34.2939, 53.2984,
31.9237


 86.8898, 122.2996,
85.6045

 23.2835, 38.0410,
21.0389


 112.1611,
154.3244, 111.9021

 14.9248, 26.0145,
12.9609


 141.9110,
191.5020, 143.0992

 8.8526, 16.8345,
7.2712

176.5049,
234.2169, 179.6143

 4.7015, 10.1166,
3.5513

216.3080,
282.8534, 221.8661

 2.1062, 5.4763,
1.3826


261.6858,

 0.6926, 2.5294,


337.7959, 270.2730


0.1281


313.0037,
399.4288, 325.2536


 0.0000, 0.8913,
0.0000


 0.0000, 0.0000,
0.0000


 48.3216, 72.1710,
46.0339


 48.3216, 72.1710,
46.0339


 43.5180, 69.8654,
38.1872


 54.2355, 75.0280,
55.0672


 39.7469, 68.0660,
31.4726


 61.3197, 78.4602,
65.3286


 36.9289, 66.7351,
25.8386


 69.6364, 82.5009,
76.8640


 34.9697, 65.8251,
21.2276

 79.2417, 87.1782,
89.7151

 33.7536, 65.2778,
17.5765

 90.1884, 92.5183,
103.9218

 33.4293, 65.1350,
16.4567

 91.6421, 93.1841,
107.7640

Harmonies

Analogous

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



56.4667, 72.1710, 29.4311



48.3216, 72.1710, 46.0339



45.4656, 72.1710, 77.7328

Triad

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



48.3216, 72.1710, 46.0339



68.2992, 72.1710, 180.8510



94.2389, 72.1710, 47.0751

Complementary

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



48.3216, 72.1710, 46.0339



57.3105, 40.2206, 67.0326

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.



98.4822, 72.1710, 79.4372



48.3216, 72.1710, 46.0339



82.3494, 72.1710, 164.4811

Square

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



48.3216, 72.1710, 46.0339



56.0153, 72.1710, 163.0905



93.8717, 72.1710, 123.6987



82.9329, 72.1710, 29.8761

Rectangle

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



48.3216, 72.1710, 46.0339



46.6063, 72.1710, 106.3554



93.8717, 72.1710, 123.6987



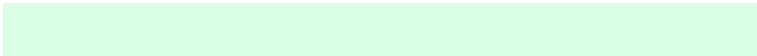
96.6004, 72.1710, 56.1208

Sweetspot

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



48.3235, 72.1740, 46.0355



79.2639, 92.3067, 88.0684



64.1427, 80.6195, 33.6538



16.4998, 19.5307, 18.2186



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.



48.3235, 72.1740, 46.0355



48.1875, 77.2659, 42.3549



54.3198, 74.5725, 77.6120



16.4751, 18.5492, 18.5203



18.2266, 35.4355, 9.2130



1.6442, 3.1313, 1.0322

Inverse Universe

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



57.3105, 40.2206, 67.0326



59.2657, 37.7763, 68.1626



51.5437, 37.9139, 36.6652



17.0018, 16.6836, 19.7561



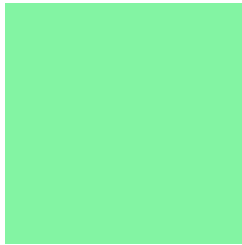
24.5499, 12.1634, 23.4021



2.2016, 1.0866, 2.2881

Previews

White Background



This preview shows how the XYZ color 48.3216, 72.1710, 46.0339 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 48.3216, 72.1710, 46.0339 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 48.3216, 72.1710, 46.0339

Background



This preview shows how black text looks on a background with the XYZ color 48.3216, 72.1710, 46.0339.

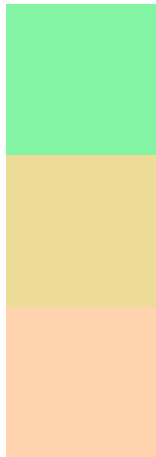


This preview shows how white text looks on a background with the XYZ color 48.3216, 72.1710,

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

48.3216, 72.1710, 46.0339

Protanopia

65.9241, 70.9346, 39.9229

Deuteranopia

72.1742, 70.9045, 49.9263



Tritanopia

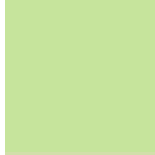
59.6585, 71.9815, 102.8449

Trichromacy



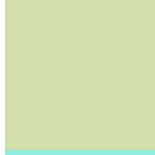
Original Color

48.3216, 72.1710, 46.0339



Protanomaly

57.0329, 69.8929, 41.9372



Deuteranomaly

60.2217, 69.3793, 48.2477



Tritanomaly

54.7041, 71.6650, 78.6597

Monochromacy



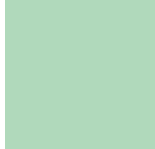
Original Color

48.3216, 72.1710, 46.0339



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.6870, 62.4437, 56.3423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3216, 72.1710, 46.0339 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(131, 244, 163)` looks like.

```
.text, #text, p{  
    color:rgb(131, 244, 163)  
}
```

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(131, 244, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 244, 163) }
```

Border

The CSS property to change the border of an element to XYZ 48.3216, 72.1710, 46.0339 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(131, 244, 163) }
```


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

```
.border{ border-color:rgb(131, 244, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 244, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 244, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 244, 163);  
box-shadow:4px 4px 4px 4px rgb(131, 244,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3216, 72.1710, 46.0339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 244, 163) }
```

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

```
.background{ background-color: rgb(131,  
244, 163) }
```

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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