

Converting Colors

XYZ(48.9780, 70.9414, 53.0516)

Have a look what the booklet for
XYZ(48.9780, 70.9414, 53.0516)
contains.

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Color

**XYZ(49.0069, 71.0305,
53.2468)**

Conversions

Conversions Part 1

Format	Color
Hex	84F1B2
RGB	132, 241, 178
RGB Percent	52%, 95%, 70%
CMY	0.4823, 0.0549, 0.3020
CMYK	0.45, 0.00, 0.26, 0.05
HSL	145°, 80%, 73%
HSV	145°, 45%, 95%
XYZ	49.0069, 71.0305, 53.2468
YIQ	201.2270, -44.7410, -42.7010

Conversions

Conversions Part 2

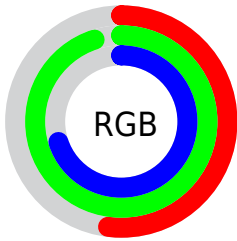
Format	Color
RYB	132, 209, 241
Decimal	8712626
CIELab	87.50, -45.18, 20.88
CIElCh	87, 49.773, 155.200
Yxy	71.0305, 0.2828, 0.4099
Android (android.graphics.Color)	4286902706 (0xFF84F1B2)
YUV	201.2270, -11.4509, -60.7121
Hunter-Lab	84.2796, -43.6951, 21.5370

Details

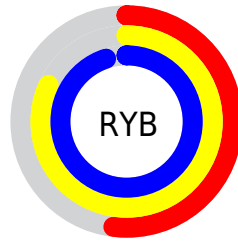
The XYZ color **49.0069, 71.0305, 53.2468** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.3796, 39.1450, 56.3220**, and the grayscale version is **55.7484, 58.6517, 63.8717**.

A 20% lighter version of the original color is **71.8465, 88.4077, 91.1196**, and **23.6662, 37.2175, 25.3384** is the 20% darker color. If you saturate the color by 10%, you get **44.3364, 68.7782, 46.0950**, and if you desaturate by 10%, it is **54.6937, 73.7942, 61.1907**.

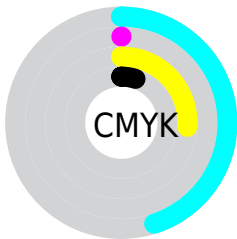
Distribution



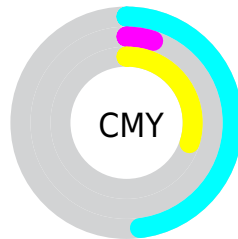
- Red (52%)
- Green (95%)
- Blue (70%)



- Red (52%)
- Yellow (82%)
- Blue (95%)



- Cyan (45%)
- Magenta (0%)
- Yellow (26%)
- Black (5%)





- Cyan (48%)
- Magenta (5%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0069, 71.0305, 53.2468 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 49.0069, 71.0305, 53.2468 by changing the saturation by 10% instead.


 49.0069, 71.0305,
53.2468


 49.0069, 71.0305,
53.2468


373.2860,
464.1601, 416.3244


 34.8395, 52.3671,
37.6108


 87.9024, 120.6772,
96.4127

 23.7052, 37.2978,
25.3812

 113.3611,
152.4292, 124.7795

 15.2386, 25.4381,
16.1397


 143.3144,
189.3129, 158.2271

 9.0744, 16.4038,
9.4676

178.1276,
231.7126, 197.1740

 4.8473, 9.8103,
4.9465

218.1660,
280.0128, 242.0385

 2.1918, 5.2734,
2.1577


263.7949,

 0.7384, 2.4085,


334.5979, 293.2395


0.6498


315.3798,
395.8521, 351.1952


 0.0000, 0.8303,
0.0000


 0.0000, 0.0000,
0.0000


 49.0069, 71.0305,
53.2468


 49.0069, 71.0305,
53.2468


 44.3364, 68.7782,
46.0950

 54.6937, 73.7942,
61.1907


 40.6115, 66.9955,
39.7053


 61.4501, 77.0905,
69.9457


 37.7612, 65.6483,
34.0530


 69.3324, 80.9498,
79.5362

 35.7007, 64.6933,
29.1098

 78.3911, 85.3979,
89.9841

 34.3270, 64.0781,
24.8452

 88.6737, 90.4587,
101.3103

 33.8404, 63.8667,
23.0381

 90.7466, 91.3933,
107.4655

Harmonies

Analogous

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



55.3066, 71.0305, 35.5952



49.0069, 71.0305, 53.2468



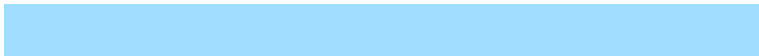
47.4163, 71.0305, 83.3547

Triad

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



49.0069, 71.0305, 53.2468



69.5810, 71.0305, 161.3494



87.7119, 71.0305, 45.7124

Complementary

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



49.0069, 71.0305, 53.2468



54.3796, 39.1450, 56.3220

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.



92.6092, 71.0305, 71.6221



49.0069, 71.0305, 53.2468



81.3935, 71.0305, 143.1910

Square

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



49.0069, 71.0305, 53.2468



58.4706, 71.0305, 152.2176



90.1729, 71.0305, 107.7853



77.4412, 71.0305, 32.2122

Rectangle

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



49.0069, 71.0305, 53.2468



49.0607, 71.0305, 108.2963



90.1729, 71.0305, 107.7853



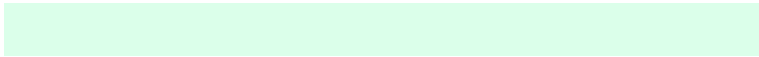
90.0922, 71.0305, 52.9286

Sweetspot

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



49.0088, 71.0334, 53.2484



79.9677, 92.5882, 91.7742



58.2793, 76.2597, 33.4785



16.6701, 19.5988, 19.1156



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.



49.0088, 71.0334, 53.2484



50.9148, 78.4340, 53.2250



55.5269, 73.6407, 87.5726



15.8427, 17.7671, 18.1944



18.4141, 34.6577, 12.8296



1.5805, 2.9027, 1.3235

Inverse Universe

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



54.3796, 39.1450, 56.3220



57.7017, 38.0787, 57.0656



49.3428, 37.1303, 29.7990



16.1558, 15.9120, 18.3769



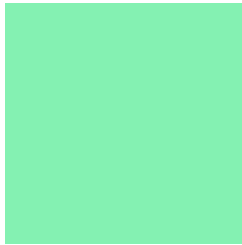
22.2792, 11.1841, 14.6527



1.9030, 0.9502, 1.4801

Previews

White Background



This preview shows how the XYZ color 49.0069, 71.0305, 53.2468 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 49.0069, 71.0305, 53.2468 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

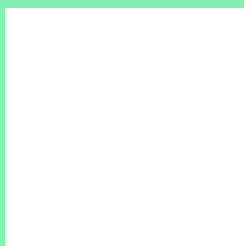
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0069, 71.0305, 53.2468

Background



This preview shows how black text looks on a background with the XYZ color 49.0069, 71.0305, 53.2468.

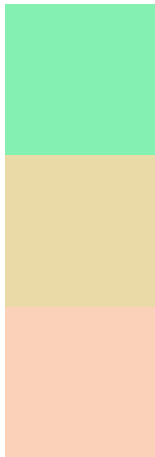


This preview shows how white text looks on a background with the XYZ color 49.0069, 71.0305,

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

49.0069, 71.0305, 53.2468

Protanopia

65.6507, 70.2565, 46.6599

Deuteranopia

71.5872, 70.1052, 55.6575



Tritanopia

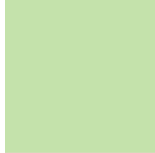
58.6896, 71.0994, 101.0728

Trichromacy



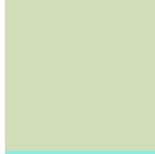
Original Color

49.0069, 71.0305, 53.2468



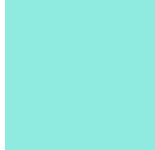
Protanomaly

57.3120, 69.0687, 48.8390



Deuteranomaly

60.3124, 68.5002, 54.2990



Tritanomaly

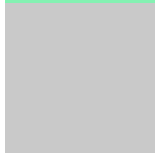
54.4906, 70.6381, 81.2836

Monochromacy



Original Color

49.0069, 71.0305, 53.2468



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.0860, 62.1921, 59.7111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0069, 71.0305, 53.2468 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(132, 241, 178)` looks like.

```
.text, #text, p{  
    color:rgb(132, 241, 178)  
}
```

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(132, 241, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 241, 178) }
```

Border

The CSS property to change the border of an element to XYZ 49.0069, 71.0305, 53.2468 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(132, 241, 178) }
```


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

```
.border{ border-color:rgb(132, 241, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 241, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 241, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 241, 178); box-shadow:4px 4px 4px 4px rgb(132, 241, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0069, 71.0305, 53.2468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 241, 178) }
```

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

```
.background{ background-color: rgb(132,  
241, 178) }
```

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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