

Converting Colors

XYZ(49.3217, 70.3644, 51.0266)

Have a look what the booklet for
XYZ(49.3217, 70.3644, 51.0266)
contains.

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Color

**XYZ(49.3217, 70.3644,
51.0266)**

Conversions

Conversions Part 1

Format	Color
Hex	8CEFAE
RGB	140, 239, 174
RGB Percent	55%, 94%, 68%
CMY	0.4510, 0.0627, 0.3176
CMYK	0.41, 0.00, 0.27, 0.06
HSL	141°, 76%, 74%
HSV	141°, 41%, 94%
XYZ	49.3217, 70.3644, 51.0266
YIQ	201.9890, -38.1390, -41.2030

Conversions

Conversions Part 2

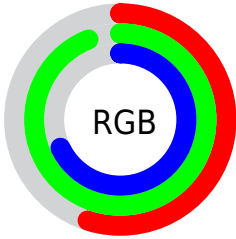
Format	Color
RYB	140, 214, 239
Decimal	9236398
CIELab	87.18, -42.93, 22.54
CIELCh	87, 48.485, 152.298
Yxy	70.3644, 0.2889, 0.4122
Android (android.graphics.Color)	4287426478 (0xFF8CEFAE)
YUV	201.9890, -13.7986, -54.3644
Hunter-Lab	83.8835, -41.8419, 22.6521

Details

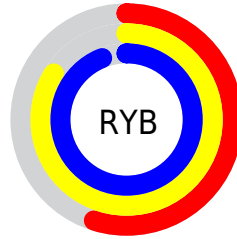
The XYZ color **49.3217, 70.3644, 51.0266** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.9964, 41.5162, 62.8223**, and the grayscale version is **56.2341, 59.1626, 64.4281**.

A 20% lighter version of the original color is **73.0689, 89.1035, 88.2105**, and **23.8353, 36.7212, 23.9208** is the 20% darker color. If you saturate the color by 10%, you get **44.2820, 67.9349, 43.2666**, and if you desaturate by 10%, it is **55.4184, 73.3221, 59.7721**.

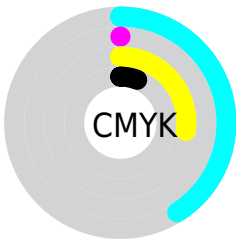
Distribution



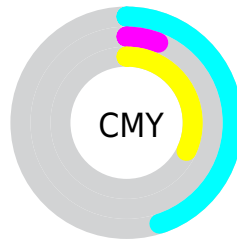
- Red (55%)
- Green (94%)
- Blue (68%)



- Red (55%)
- Yellow (84%)
- Blue (94%)



- Cyan (41%)
- Magenta (0%)
- Yellow (27%)
- Black (6%)




- Cyan (45%)
- Magenta (6%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3217, 70.3644, 51.0266 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 49.3217, 70.3644, 51.0266 by changing the saturation by 10% instead.


 49.3217, 70.3644,
51.0266


 49.3217, 70.3644,
51.0266


374.5034,
461.8284, 407.5166

 35.0903, 51.8237,
35.8529


 88.3669, 119.7283,
93.1060

 23.8993, 36.8645,
24.0318

 113.9115,
151.3202, 120.8488

 15.3833, 25.1026,
15.1448


143.9578,
188.0313, 153.6183

 9.1769, 16.1535,
8.7733

178.8712,
230.2460, 191.8332

 4.9148, 9.6329,
4.4988

219.0172,
278.3487, 235.9119

 2.2316, 5.1562,
1.9028


264.7609,


 0.7593, 2.3392,


332.7237, 286.2730

0.4945


316.4679,
393.7555, 343.3351


 0.0000, 0.7943,
0.0000


 0.0000, 0.0000,
0.0000


 49.3217, 70.3644,
51.0266


 49.3217, 70.3644,
51.0266


 44.2820, 67.9349,
43.2666


 55.4184, 73.3221,
59.7721


 40.2305, 65.9929,
36.4525


 62.6245, 76.8284,
69.5315


 37.0986, 64.5057,
30.5487


 70.9954, 80.9133,
80.3380


 34.8059, 63.4328,
25.5156

 80.5812, 85.6018,
92.2217

 33.2568, 62.7257,
21.3102

 89.7521, 90.0533,
105.1330

 32.3939, 62.3460,
18.3255

 90.1578, 90.2156,
107.2693

Harmonies

Analogous

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



55.8591, 70.3644, 34.9245



49.3217, 70.3644, 51.0266



47.3172, 70.3644, 79.1543

Triad

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



49.3217, 70.3644, 51.0266



67.7602, 70.3644, 157.8048



87.1253, 70.3644, 47.7800

Complementary

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



49.3217, 70.3644, 51.0266



55.9964, 41.5162, 62.8223

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.



91.2031, 70.3644, 74.1304



49.3217, 70.3644, 51.0266



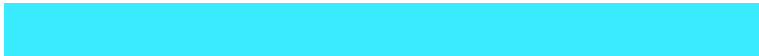
79.2611, 70.3644, 142.7048

Square

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



49.3217, 70.3644, 51.0266



57.2172, 70.3644, 146.5412



88.1756, 70.3644, 109.5830



77.5720, 70.3644, 33.4577

Rectangle

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



49.3217, 70.3644, 51.0266



48.6137, 70.3644, 102.9269



88.1756, 70.3644, 109.5830



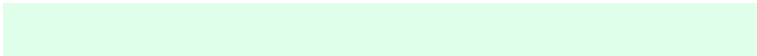
89.2278, 70.3644, 55.2190

Sweetspot

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



49.3236, 70.3673, 51.0282



81.6068, 93.4242, 92.2598



61.0562, 76.7514, 36.4082



17.1807, 19.8567, 19.3832



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.



49.3236, 70.3673, 51.0282



51.9652, 79.0218, 51.1856



54.9358, 72.6122, 80.5821



15.7899, 17.7460, 17.9168



17.9562, 34.4745, 10.4183



1.5389, 2.8860, 1.1040

Inverse Universe

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



55.9964, 41.5162, 62.8223



60.6787, 41.2821, 66.5381



51.0199, 39.5256, 36.6162



16.2102, 15.9338, 18.6631



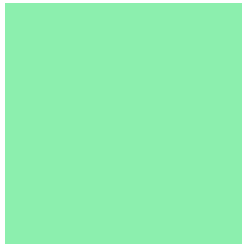
23.0949, 11.5104, 18.9482



1.9678, 0.9762, 1.8213

Previews

White Background



This preview shows how the XYZ color 49.3217, 70.3644, 51.0266 looks on a white background.

Color Contrast Check

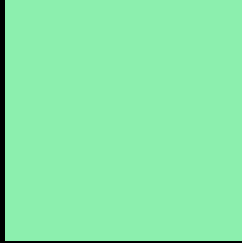
Large Text (above 18pt) WCAG AA × Fail

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 49.3217, 70.3644, 51.0266 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 49.3217, 70.3644, 51.0266

Background



This preview shows how black text looks on a background with the XYZ color 49.3217, 70.3644, 51.0266.

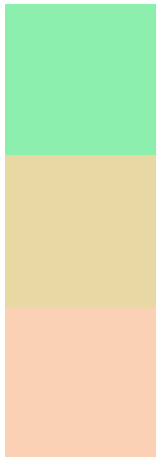


This preview shows how white text looks on a background with the XYZ color 49.3217, 70.3644,

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

49.3217, 70.3644, 51.0266

Protanopia

64.7924, 69.4618, 45.1145

Deuteranopia

70.9246, 69.4464, 53.3824



Tritanopia

58.8672, 69.9840, 99.2126

Trichromacy



Original Color

49.3217, 70.3644, 51.0266



Protanomaly

57.5463, 68.8197, 47.2963



Deuteranomaly

60.4930, 68.2496, 52.1047



Tritanomaly

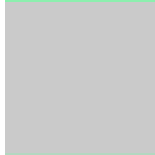
54.9526, 70.0776, 79.0366

Monochromacy



Original Color

49.3217, 70.3644, 51.0266



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.4053, 61.9904, 59.0725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3217, 70.3644, 51.0266 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(140, 239, 174)` looks like.

```
.text, #text, p{  
    color:rgb(140, 239, 174)  
}
```

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(140, 239, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 239, 174) }
```

Border

The CSS property to change the border of an element to XYZ 49.3217, 70.3644, 51.0266 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(140, 239, 174) }
```


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

```
.border{ border-color:rgb(140, 239, 174) }
```

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

Here you see how a box with a 4 pixel rgb(140, 239, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 239, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 239, 174);  
box-shadow:4px 4px 4px 4px rgb(140, 239,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3217, 70.3644, 51.0266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 239, 174) }
```

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

```
.background{ background-color: rgb(140,  
239, 174) }
```

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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