

Converting Colors

XYZ(52.3249, 70.0541, 49.4229)

Have a look what the booklet for
XYZ(52.3249, 70.0541, 49.4229)
contains.

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Color

**XYZ(52.3689, 70.2494,
49.3274)**

Conversions

Conversions Part 1

Format	Color
Hex	A4EBAB
RGB	164, 235, 171
RGB Percent	64%, 92%, 67%
CMY	0.3569, 0.0784, 0.3294
CMYK	0.30, 0.00, 0.27, 0.08
HSL	126°, 64%, 78%
HSV	126°, 30%, 92%
XYZ	52.3689, 70.2494, 49.3274
YIQ	206.4750, -21.7720, -34.9560

Conversions

Conversions Part 2

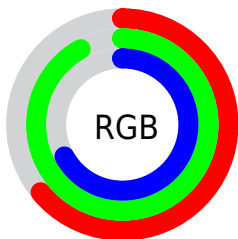
Format	Color
RYB	164, 229, 235
Decimal	10808235
CIELab	87.12, -34.58, 24.19
CIELCh	87, 42.195, 145.026
Yxy	70.2494, 0.3046, 0.4086
Android (android.graphics.Color)	4288998315 (0xFFA4EBAB)
YUV	206.4750, -17.4892, -37.2506
Hunter-Lab	83.8149, -35.1464, 23.7766

Details

The XYZ color **52.3689, 70.2494, 49.3274** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.5424, 49.8162, 79.7737**, and the grayscale version is **59.0909, 62.1683, 67.7013**.

A 20% lighter version of the original color is **79.1403, 92.2817, 86.3141**, and **25.8205, 36.8632, 22.8940** is the 20% darker color. If you saturate the color by 10%, you get **46.1000, 67.2346, 39.3255**, and if you desaturate by 10%, it is **59.8613, 73.8616, 61.0787**.

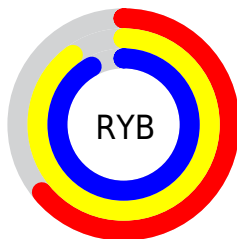
Distribution



Red (64%)

Green (92%)

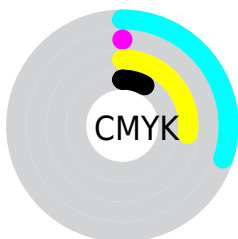
Blue (67%)



Red (64%)

Yellow (90%)

Blue (92%)

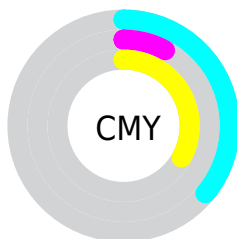


Cyan (30%)

Magenta (0%)

Yellow (27%)

Black (8%)



Cyan (36%)


Magenta (8%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3689, 70.2494, 49.3274 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 52.3689, 70.2494, 49.3274 by changing the saturation by 10% instead.


 52.3689, 70.2494,
49.3274


 52.3689, 70.2494,
49.3274


386.1597,
461.4252, 400.6893

 37.5247, 51.7299,
34.5118


 92.8461, 119.5643,
90.5635

 25.7895, 36.7898,
23.0065


 119.2097,
151.1286, 117.8212

 16.7981, 25.0448,
14.3930


150.1439,
187.8098, 150.0633

 10.1850, 16.1104,
8.2526

186.0139,
229.9925, 187.7083

 5.5850, 9.6023,
4.1669

227.1851,
278.0610, 231.1749

 2.6327, 5.1361,
1.7174

274.0229,

 0.9626, 2.3273,

332.3996, 280.8816

0.3726

326.8927,
393.3929, 337.2469

■ 0.0000, 0.7881,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.3689, 70.2494,
49.3274

■ 52.3689, 70.2494,
49.3274

■ 46.1000, 67.2346,
39.3255

■ 59.8613, 73.8616,
61.0787

■ 40.9841, 64.7766,
30.9850

■ 68.6315, 78.0914,
74.6526

■ 36.9523, 62.8437,
24.2173

■ 78.7376, 82.9693,
90.1235

■ 33.9260, 61.3976,
18.9237

■ 88.9997, 87.8993,
106.8832

■ 31.8156, 60.3944,
14.9943

■ 30.5157, 59.7826,
12.3040

■ 29.8660, 59.4819,
10.7266

Harmonies

Analogous

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



59.0444, 70.2494, 36.9943



52.3689, 70.2494, 49.3274



49.5610, 70.2494, 71.8645

Triad

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



52.3689, 70.2494, 49.3274



65.1348, 70.2494, 144.5825



85.5249, 70.2494, 55.6871

Complementary

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



52.3689, 70.2494, 49.3274



61.5424, 49.8162, 79.7737

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.



87.5621, 70.2494, 81.3092



52.3689, 70.2494, 49.3274



75.1415, 70.2494, 137.2086

Square

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



52.3689, 70.2494, 49.3274



56.4525, 70.2494, 130.3552



83.5951, 70.2494, 112.1450



78.2736, 70.2494, 39.9805

Rectangle

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



52.3689, 70.2494, 49.3274



50.0369, 70.2494, 91.4954



83.5951, 70.2494, 112.1450



86.8707, 70.2494, 63.2214

Sweetspot

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



52.3707, 70.2524, 49.3290



83.9512, 94.6427, 91.9208



68.7517, 78.7722, 46.7037



17.6118, 20.0851, 19.1253



0.0000, 0.0000, 0.0000



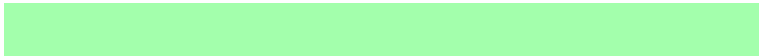
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.3707, 70.2524, 49.3290



58.3758, 82.3159, 51.9680



56.0901, 71.7401, 68.9148



14.9287, 16.8863, 16.3071



16.6420, 33.1113, 6.0799



1.3272, 2.6082, 0.5851

Inverse Universe

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



61.5424, 49.8162, 79.7737



70.9995, 54.1762, 93.8629



57.2294, 48.0910, 57.0618



15.6471, 15.2867, 18.6927



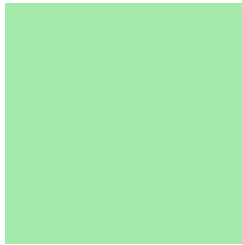
25.6966, 12.4813, 35.7990



2.0364, 0.9875, 2.9089

Previews

White Background



This preview shows how the XYZ color 52.3689, 70.2494, 49.3274 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 52.3689, 70.2494, 49.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

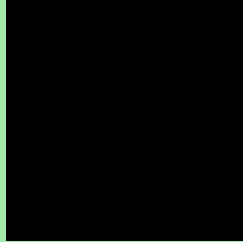
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.3689, 70.2494, 49.3274

Background



This preview shows how black text looks on a background with the XYZ color 52.3689, 70.2494, 49.3274.



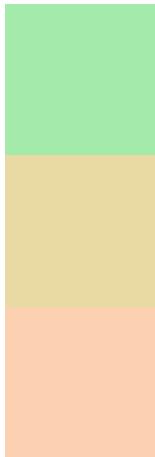
This preview shows how white text looks on a background with the XYZ color 52.3689, 70.2494,

49.3274.

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

52.3689, 70.2494, 49.3274

Protanopia

65.0280, 69.5937, 44.6559

Deuteranopia

70.8812, 69.4707, 51.2683



Tritanopia

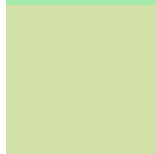
61.8856, 70.3893, 95.9127

Trichromacy



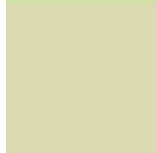
Original Color

52.3689, 70.2494, 49.3274



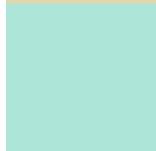
Protanomaly

59.5510, 69.4744, 46.3476



Deuteranomaly

62.3245, 68.4536, 50.4855



Tritanomaly

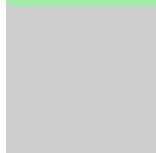
57.7773, 69.9326, 76.0988

Monochromacy



Original Color

52.3689, 70.2494, 49.3274



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.9244, 64.5523, 59.9644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3689, 70.2494, 49.3274 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(164, 235, 171)` looks like.

```
.text, #text, p{  
    color:rgb(164, 235, 171)  
}
```

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(164, 235, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 235, 171) }
```

Border

The CSS property to change the border of an element to XYZ 52.3689, 70.2494, 49.3274 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(164, 235, 171) }
```


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

```
.border{ border-color:rgb(164, 235, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 235, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 235, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 235, 171);  
box-shadow:4px 4px 4px 4px rgb(164, 235,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3689, 70.2494, 49.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 235, 171) }
```

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

```
.background{ background-color: rgb(164,  
235, 171) }
```

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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