

Converting Colors

XYZ(52.9035, 71.0071, 47.4739)

Have a look what the booklet for
XYZ(52.9035, 71.0071, 47.4739)
contains.

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Color

**XYZ(52.9069, 70.9964,
47.4744)**

Conversions

Conversions Part 1

Format	Color
Hex	A7ECA7
RGB	167, 236, 167
RGB Percent	65%, 93%, 65%
CMY	0.3451, 0.0745, 0.3451
CMYK	0.29, 0.00, 0.29, 0.07
HSL	120°, 64%, 79%
HSV	120°, 29%, 93%
XYZ	52.9069, 70.9964, 47.4744
YIQ	207.5030, -18.9750, -36.0870

Conversions

Conversions Part 2

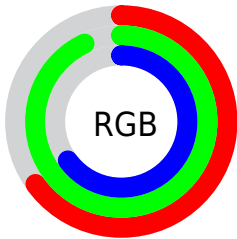
Format	Color
RYB	167, 236, 236
Decimal	11005095
CIELab	87.48, -34.75, 26.76
CIELCh	87, 43.858, 142.396
Yxy	70.9964, 0.3087, 0.4143
Android (android.graphics.Color)	4289195175 (0xFFA7ECA7)
YUV	207.5030, -19.9680, -35.5211
Hunter-Lab	84.2594, -35.3728, 25.5757

Details

The XYZ color **52.9069, 70.9964, 47.4744** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.5535, 51.5280, 85.9562**, and the grayscale version is **59.7680, 62.8805, 68.4769**.

A 20% lighter version of the original color is **79.6853, 92.6412, 82.7889**, and **26.2258, 37.3910, 22.0546** is the 20% darker color. If you saturate the color by 10%, you get **46.3825, 67.8645, 36.8011**, and if you desaturate by 10%, it is **60.7430, 74.7626, 60.2903**.

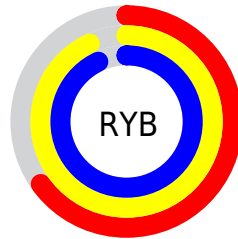
Distribution



Red (65%)

Green (93%)

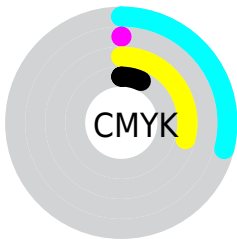
Blue (65%)



Red (65%)

Yellow (93%)

Blue (93%)

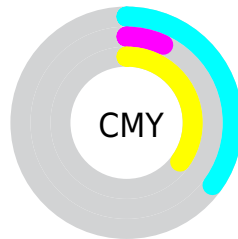


Cyan (29%)

Magenta (0%)

Yellow (29%)

Black (7%)



Cyan (35%)


Magenta (7%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9069, 70.9964, 47.4744 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 52.9069, 70.9964, 47.4744 by changing the saturation by 10% instead.


 52.9069, 70.9964,
47.4744


 52.9069, 70.9964,
47.4744


388.1945,
464.0409, 393.1534

 37.9556, 52.3393,
33.0538


 93.6337, 120.6286,
87.7787

 26.1253, 37.2756,
21.8962


 120.1399,
152.3724, 114.4995

 17.0506, 25.4209,
13.5831

151.2285,
189.2473, 146.1575

 10.3661, 16.3909,
7.6958

187.2649,
231.6376, 183.1711

 5.7065, 9.8012,
3.8160

228.6143,
279.9277, 225.9590

 2.7064, 5.2674,
1.5249


275.6421,

 1.0005, 2.4050,


334.5020, 274.9396


0.2364


328.7138,
395.7449, 330.5316


 0.0000, 0.8284,
0.0000


 0.0000, 0.0000,
0.0000


 52.9069, 70.9964,
47.4744


 52.9069, 70.9964,
47.4744


 46.3825, 67.8645,
36.8011


 60.7430, 74.7626,
60.2903

 41.0931, 65.3237,
28.1492

 69.9510, 79.1857,
75.3517

 36.9624, 63.3396,
21.3927

 80.5942, 84.2982,
92.7606

 33.9037, 61.8703,
16.3895

 89.2868, 88.4737,
106.9789

■ 31.8178, 60.8684,
12.9777

■ 30.5875, 60.2774,
10.9651

■ 30.0292, 60.0092,
10.0519

■ 29.9968, 59.9937,
9.9990

Harmonies

Analogous

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



60.1767, 70.9964, 35.6678



52.9069, 70.9964, 47.4744



49.6105, 70.9964, 70.0021

Triad

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



52.9069, 70.9964, 47.4744



64.8801, 70.9964, 148.6935



87.6073, 70.9964, 57.5542

Complementary

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



52.9069, 70.9964, 47.4744



63.5535, 51.5280, 85.9562

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.



89.1952, 70.9964, 85.0947



52.9069, 70.9964, 47.4744



75.3514, 70.9964, 142.8957

Square

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



52.9069, 70.9964, 47.4744



56.0481, 70.9964, 131.8320



84.5098, 70.9964, 117.5670



80.3693, 70.9964, 40.3644

Rectangle

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



52.9069, 70.9964, 47.4744



49.8463, 70.9964, 90.1972



84.5098, 70.9964, 117.5670



88.8476, 70.9964, 65.7002

Sweetspot

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



52.9087, 70.9994, 47.4760



83.6276, 94.5132, 90.2166



71.5657, 80.6174, 48.3487



17.5329, 20.0535, 18.7100



0.0000, 0.0000, 0.0000



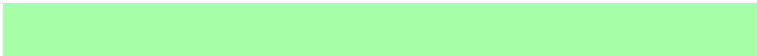
20.3446, 21.4041, 23.3091

Same Dimension

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



52.9087, 70.9994, 47.4760



58.2936, 82.3440, 48.7783



56.5354, 72.4501, 66.5737



14.8684, 16.8622, 15.9898



16.5341, 33.0681, 5.5114



1.2983, 2.5966, 0.4328

Inverse Universe

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



63.5535, 51.5280, 85.9562



72.8807, 55.6616, 101.5094



59.0146, 49.7124, 62.0542



15.7149, 15.3138, 19.0498



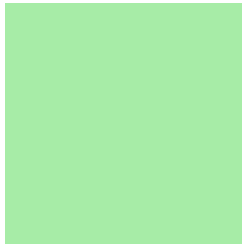
27.4132, 13.1680, 44.8387



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 52.9069, 70.9964, 47.4744 looks on a white background.

Color Contrast Check

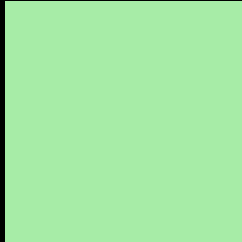
Large Text (above 18pt) WCAG AA × Fail

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 52.9069, 70.9964, 47.4744 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

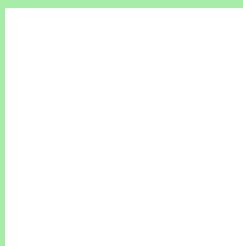
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.9069, 70.9964, 47.4744

Background



This preview shows how black text looks on a background with the XYZ color 52.9069, 70.9964, 47.4744.



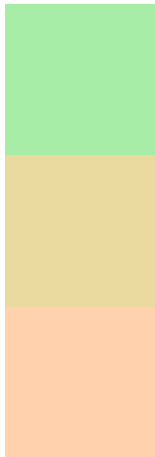
This preview shows how white text looks on a background with the XYZ color 52.9069, 70.9964,

47.4744.

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

52.9069, 70.9964, 47.4744

Protanopia

65.5904, 70.3082, 42.9147

Deuteranopia

71.8294, 70.3703, 49.3322



Tritanopia

62.5815, 70.7481, 95.9453

Trichromacy



Original Color

52.9069, 70.9964, 47.4744



Protanomaly

60.0251, 70.1607, 44.5611



Deuteranomaly

63.1136, 69.2913, 48.5762



Tritanomaly

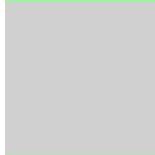
58.5960, 70.7816, 75.5396

Monochromacy



Original Color

52.9069, 70.9964, 47.4744



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.6894, 65.3305, 60.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9069, 70.9964, 47.4744 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(167, 236, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 236, 167)  
}
```

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(167, 236, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 236, 167) }
```

Border

The CSS property to change the border of an element to XYZ 52.9069, 70.9964, 47.4744 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(167, 236, 167) }
```


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

```
.border{ border-color:rgb(167, 236, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 236, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 236, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 236, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 236,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9069, 70.9964, 47.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 236, 167) }
```

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

```
.background{ background-color: rgb(167,  
236, 167) }
```

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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