

Converting Colors

XYZ(52.6700, 68.4981, 48.9710)

Have a look what the booklet for
XYZ(52.6700, 68.4981, 48.9710)
contains.

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Color

**XYZ(52.4421, 68.1918,
48.9264)**

Conversions

Conversions Part 1

Format	Color
Hex	ABE6AB
RGB	171, 230, 171
RGB Percent	67%, 90%, 67%
CMY	0.3294, 0.0980, 0.3294
CMYK	0.26, 0.00, 0.26, 0.10
HSL	120°, 54%, 79%
HSV	120°, 26%, 90%
XYZ	52.4421, 68.1918, 48.9264
YIQ	205.6330, -16.2250, -30.8570

Conversions

Conversions Part 2

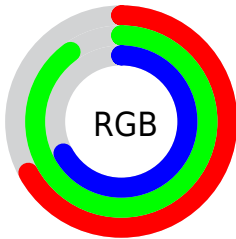
Format	Color
RYB	171, 230, 230
Decimal	11265707
CIELab	86.10, -30.00, 22.85
CIELCh	86, 37.713, 142.705
Yxy	68.1918, 0.3093, 0.4022
Android (android.graphics.Color)	4289455787 (0xFFABE6AB)
YUV	205.6330, -17.0741, -30.3731
Hunter-Lab	82.5783, -31.1541, 22.6764

Details

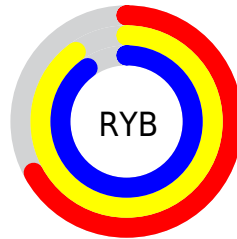
The XYZ color **52.4421, 68.1918, 48.9264** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **61.4813, 51.6635, 81.5975**, and the grayscale version is **58.5462, 61.5951, 67.0771**.

A 20% lighter version of the original color is **81.3037, 93.3969, 86.4153**, and **25.7422, 35.3620, 22.6083** is the 20% darker color. If you saturate the color by 10%, you get **45.8565, 65.0304, 38.1530**, and if you desaturate by 10%, it is **60.2846, 71.9610, 61.7528**.

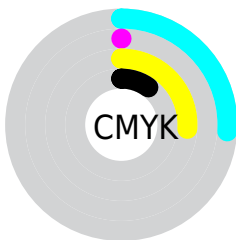
Distribution



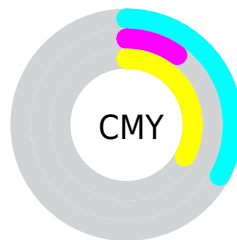
- Red (67%)
- Green (90%)
- Blue (67%)



- Red (67%)
- Yellow (90%)
- Blue (90%)



- Cyan (26%)
- Magenta (0%)
- Yellow (26%)
- Black (10%)





- Cyan (33%)
- Magenta (10%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4421, 68.1918, 48.9264 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 52.4421, 68.1918, 48.9264 by changing the saturation by 10% instead.


 52.4421, 68.1918,
48.9264

 52.4421, 68.1918,
48.9264


386.4370,
454.1753, 399.0666

 37.5833, 50.0538,
34.1959


 92.9533, 116.6265,
89.9620

 25.8352, 35.4561,
22.7656


119.3364,
147.6919, 117.1042

 16.8324, 24.0145,
14.2168


150.2916,
183.8354, 149.2207

 10.2096, 15.3443,
8.1312

186.1843,
225.4411, 186.7300

 5.6015, 9.0614,
4.0900

227.3798,
272.8936, 230.0507

 2.6427, 4.7813,
1.6749


274.2435,

 0.9677, 2.1195,


326.5771, 279.6014


0.3434


327.1408,
386.8763, 335.8005


 0.0000, 0.6756,
0.0000


 0.0000, 0.0000,
0.0000


 52.4421, 68.1918,
48.9264


 52.4421, 68.1918,
48.9264


 45.8565, 65.0304,
38.1530


 60.2846, 71.9610,
61.7528


 40.4574, 62.4370,
29.3218

 69.4388, 76.3582,
76.7261

 36.1760, 60.3804,
22.3187

 79.9628, 81.4134,
93.9400

 32.9339, 58.8230,
17.0156

 87.5881, 85.0763,
106.4127

■ 30.6428, 57.7225,
13.2680

■ 29.1998, 57.0294,
10.9077

■ 28.4781, 56.6827,
9.7271

■ 28.2981, 56.5963,
9.4328

Harmonies

Analogous

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



58.5932, 68.1918, 38.3550



52.4421, 68.1918, 48.9264



49.6520, 68.1918, 68.3537

Triad

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



52.4421, 68.1918, 48.9264



62.7216, 68.1918, 132.3526



81.4322, 68.1918, 57.3111

Complementary

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



52.4421, 68.1918, 48.9264



61.4813, 51.6635, 81.5975

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.



82.7861, 68.1918, 80.4745



52.4421, 68.1918, 48.9264



71.4608, 68.1918, 127.5430

Square

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



52.4421, 68.1918, 48.9264



55.2336, 68.1918, 119.0486



78.9937, 68.1918, 107.0784



75.4433, 68.1918, 42.3894

Rectangle

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



52.4421, 68.1918, 48.9264



49.8810, 68.1918, 85.2469



78.9937, 68.1918, 107.0784



82.4650, 68.1918, 64.2407

Sweetspot

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



52.4439, 68.1947, 48.9279



84.8267, 95.0892, 92.1780



68.2836, 76.3604, 49.6688



17.7717, 20.1682, 19.1006



0.0000, 0.0000, 0.0000



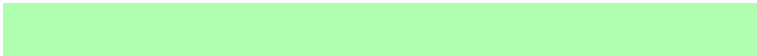
20.3446, 21.4041, 23.3091

Same Dimension

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



52.4439, 68.1947, 48.9279



61.4848, 83.8769, 53.9981



55.5772, 69.4480, 65.4279



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3401



1.1838, 2.3677, 0.3946

Inverse Universe

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



61.4813, 51.6635, 81.5975



74.8054, 59.5110, 102.1510



57.6820, 50.1438, 61.5909



14.9952, 14.6153, 18.1750



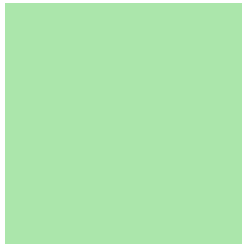
26.5610, 12.7586, 43.4448



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 52.4421, 68.1918, 48.9264 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 52.4421, 68.1918, 48.9264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

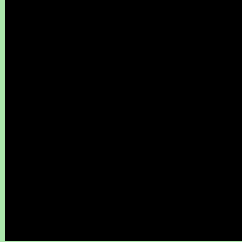
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.4421, 68.1918, 48.9264

Background



This preview shows how black text looks on a background with the XYZ color 52.4421, 68.1918, 48.9264.



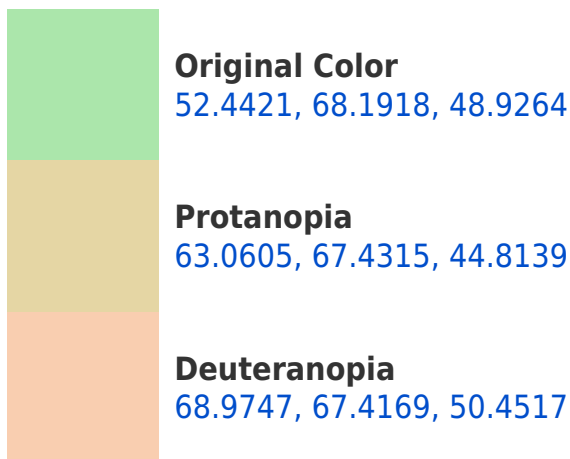
This preview shows how white text looks on a background with the XYZ color 52.4421, 68.1918,

48.9264.

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





Tritanopia

60.9649, 68.0122, 91.5758

Trichromacy



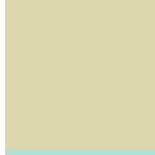
Original Color

52.4421, 68.1918, 48.9264



Protanomaly

58.5807, 67.3863, 46.4785



Deuteranomaly

61.7592, 67.0290, 49.7272



Tritanomaly

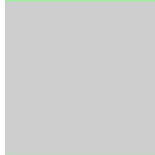
57.3837, 67.7501, 73.6710

Monochromacy



Original Color

52.4421, 68.1918, 48.9264



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.9184, 63.7886, 59.8173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4421, 68.1918, 48.9264 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(171, 230, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 230, 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(171, 230, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 230, 171) }
```

Border

The CSS property to change the border of an element to XYZ 52.4421, 68.1918, 48.9264 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(171, 230, 171) }
```


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

```
.border{ border-color:rgb(171, 230, 171) }
```

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

Here you see how a box with a 4 pixel rgb(171, 230, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 230, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 230, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 230,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4421, 68.1918, 48.9264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 230, 171) }
```

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

```
.background{ background-color: rgb(171,  
230, 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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