

Converting Colors

XYZ(52.4099, 63.8888, 48.2803)

Have a look what the booklet for
XYZ(52.4099, 63.8888, 48.2803)
contains.

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Color

**XYZ(52.2106, 63.6706,
48.0659)**

Conversions

Conversions Part 1

Format	Color
Hex	B7DBAB
RGB	183, 219, 171
RGB Percent	72%, 86%, 67%
CMY	0.2824, 0.1412, 0.3294
CMYK	0.16, 0.00, 0.22, 0.14
HSL	105°, 40%, 76%
HSV	105°, 22%, 86%
XYZ	52.2106, 63.6706, 48.0659
YIQ	202.7640, -6.0480, -22.5600

Conversions

Conversions Part 2

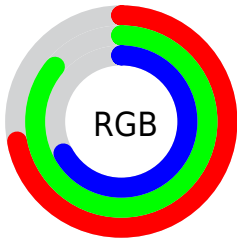
Format	Color
RYB	171, 219, 207
Decimal	12049323
CIELab	83.79, -20.66, 19.77
CIElCh	84, 28.595, 136.250
Yxy	63.6706, 0.3185, 0.3884
Android (android.graphics.Color)	4290239403 (0xFFB7DBAB)
YUV	202.7640, -15.6597, -17.3330
Hunter-Lab	79.7939, -22.8434, 20.1408

Details

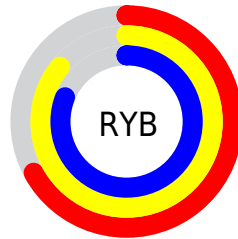
The XYZ color **52.2106, 63.6706, 48.0659** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.0839, 47.5075, 73.3933**, and the grayscale version is **56.7159, 59.6696, 64.9802**.

A 20% lighter version of the original color is **85.0841, 95.3617, 85.8737**, and **25.6585, 32.5500, 22.3832** is the 20% darker color. If you saturate the color by 10%, you get **46.6123, 61.0080, 37.7952**, and if you desaturate by 10%, it is **58.6142, 66.7121, 60.1824**.

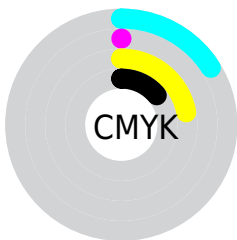
Distribution



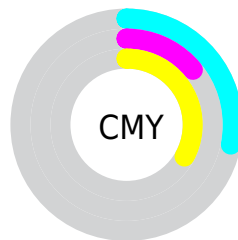
- Red (72%)
- Green (86%)
- Blue (67%)



- Red (67%)
- Yellow (86%)
- Blue (81%)



- Cyan (16%)
- Magenta (0%)
- Yellow (22%)
- Black (14%)



- Cyan (28%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2106, 63.6706, 48.0659 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 52.2106, 63.6706, 48.0659 by changing the saturation by 10% instead.

■ 52.2106, 63.6706,
48.0659

■ 52.2106, 63.6706,
48.0659

385.5597,
437.9992, 395.5695

■ 37.3979, 46.3839,
33.5187

■ 92.6141, 110.1364,
88.6691

■ 25.6908, 32.5489,
22.2497

118.9357,
140.0843, 115.5622

■ 16.7239, 21.7811,
13.8405

149.8243,
175.0215, 147.4076

■ 10.1319, 13.6961,
7.8723

185.6452,
215.3322, 184.6240

■ 5.5495, 7.9096,
3.9267

226.7639,
261.4010, 227.6298

■ 2.6112, 4.0372,
1.5852

273.5456,

■ 0.9516, 1.6944,

313.6121, 276.8437

0.2803

326.3558,
372.3500, 332.6841

■ 0.0000, 0.4200,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.2106, 63.6706,
48.0659

■ 52.2106, 63.6706,
48.0659

■ 46.6123, 61.0080,
37.7952

■ 58.6142, 66.7121,
60.1824

■ 41.7817, 58.7013,
29.2757

■ 65.8488, 70.1384,
74.2247

■ 37.6853, 56.7373,
22.4108

■ 73.9450, 73.9653,
90.2731

■ 34.2856, 55.0988,
17.0929

■ 82.3449, 77.9713,
105.3177

■ 31.5409, 53.7671,
13.2014

■ 84.6228, 79.1456,
105.4243

■ 29.4050, 52.7214,
10.5984

■ 27.8246, 51.9379,
9.1179

■ 26.8943, 51.4706,
8.5173

Harmonies

Analogous

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



57.2021, 63.6706, 41.1552



52.2106, 63.6706, 48.0659



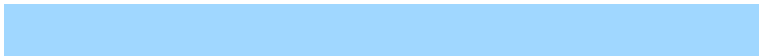
49.5344, 63.6706, 61.4311

Triad

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



52.2106, 63.6706, 48.0659



57.6934, 63.6706, 108.6129



72.8593, 63.6706, 60.0969

Complementary

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



52.2106, 63.6706, 48.0659



53.0839, 47.5075, 73.3933

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.



73.0136, 63.6706, 77.8709



52.2106, 63.6706, 48.0659



63.9575, 63.6706, 108.0872

Square

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



52.2106, 63.6706, 48.0659



52.5488, 63.6706, 97.4128



69.6607, 63.6706, 96.0810



69.2526, 63.6706, 47.2354

Rectangle

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



52.2106, 63.6706, 48.0659



49.2949, 63.6706, 73.1580



69.6607, 63.6706, 96.0810



73.3248, 63.6706, 65.6311

Sweetspot

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



52.2123, 63.6733, 48.0673



87.5528, 96.4518, 94.2383



58.8796, 62.6289, 47.5143



18.6076, 20.5820, 19.9142



0.0000, 0.0000, 0.0000



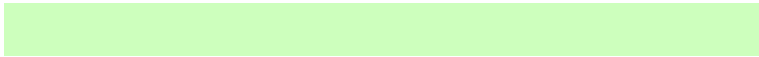
20.3446, 21.4041, 23.3091

Same Dimension

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



52.2123, 63.6733, 48.0673



70.1648, 88.1990, 61.2996



50.6753, 62.7428, 54.2409



13.1900, 14.7627, 13.8799



16.0311, 30.5618, 5.0541



1.1175, 2.0206, 0.3311

Inverse Universe

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



53.0839, 47.5075, 73.3933



71.5868, 61.7375, 102.7512



55.0412, 48.6925, 65.5318



13.2800, 13.1025, 16.4812



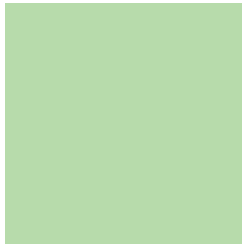
16.7962, 7.7830, 40.3554



1.1650, 0.5438, 2.6180

Previews

White Background



This preview shows how the XYZ color 52.2106, 63.6706, 48.0659 looks on a white background.

Color Contrast Check

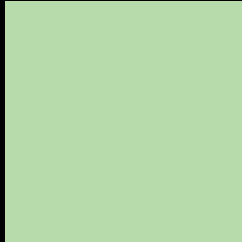
Large Text (above 18pt) WCAG AA × Fail

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 52.2106, 63.6706, 48.0659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

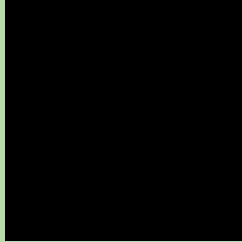
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2106, 63.6706, 48.0659

Background



This preview shows how black text looks on a background with the XYZ color 52.2106, 63.6706, 48.0659.

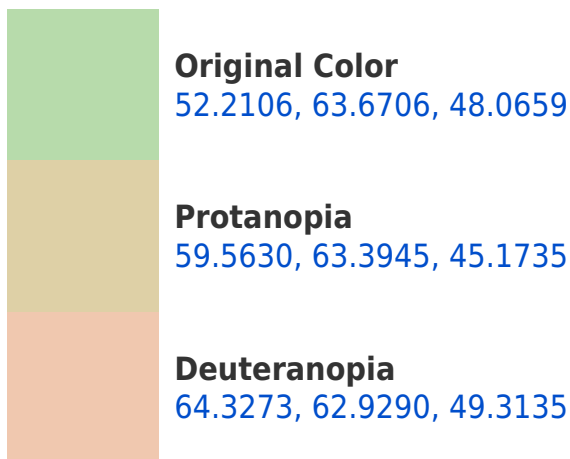


This preview shows how white text looks on a background with the XYZ color 52.2106, 63.6706,

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

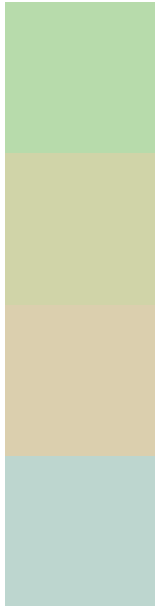




Tritanopia

59.0361, 63.3964, 82.5240

Trichromacy



Original Color

52.2106, 63.6706, 48.0659

Protanomaly

56.6238, 63.3240, 46.2842

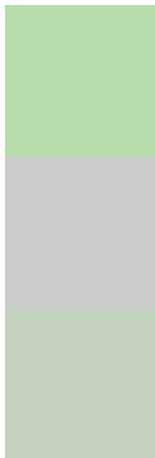
Deuteranomaly

59.1662, 62.7417, 49.0364

Tritanomaly

56.2953, 63.4169, 68.3051

Monochromacy



Original Color

52.2106, 63.6706, 48.0659

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

54.9694, 61.0983, 58.1862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2106, 63.6706, 48.0659 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(183, 219, 171)` looks like.

```
.text, #text, p{  
    color:rgb(183, 219, 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(183, 219, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 219, 171) }
```

Border

The CSS property to change the border of an element to XYZ 52.2106, 63.6706, 48.0659 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(183, 219, 171) }
```


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

```
.border{ border-color:rgb(183, 219, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 219, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 219, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 219, 171); box-shadow:4px 4px 4px 4px rgb(183, 219, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2106, 63.6706, 48.0659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 219, 171) }
```

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

```
.background{ background-color: rgb(183,  
219, 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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