

Converting Colors

XYZ(52.3613, 66.8750, 49.8896)

Have a look what the booklet for
XYZ(52.3613, 66.8750, 49.8896)
contains.

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Color

**XYZ(52.2455, 66.8395,
49.6829)**

Conversions

Conversions Part 1

Format	Color
Hex	ADE3AD
RGB	173, 227, 173
RGB Percent	68%, 89%, 68%
CMY	0.3216, 0.1098, 0.3216
CMYK	0.24, 0.00, 0.24, 0.11
HSL	120°, 49%, 78%
HSV	120°, 24%, 89%
XYZ	52.2455, 66.8395, 49.6829
YIQ	204.6980, -14.8500, -28.2420

Conversions

Conversions Part 2

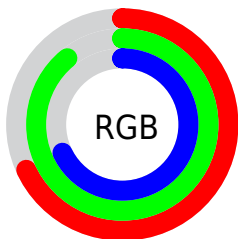
Format	Color
RYB	173, 227, 227
Decimal	11396013
CIELab	85.42, -27.59, 20.89
CIELCh	85, 34.605, 142.860
Yxy	66.8395, 0.3096, 0.3960
Android (android.graphics.Color)	4289586093 (0xFFADE3AD)
YUV	204.6980, -15.6271, -27.7991
Hunter-Lab	81.7554, -29.0022, 21.1982

Details

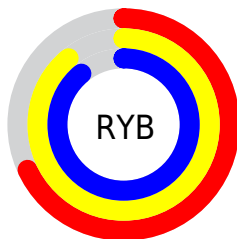
The XYZ color **52.2455, 66.8395, 49.6829** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **60.4895, 51.7656, 79.4794**, and the grayscale version is **57.9408, 60.9582, 66.3835**.

A 20% lighter version of the original color is **82.2160, 93.8352, 87.9075**, and **25.5608, 34.4038, 23.0627** is the 20% darker color. If you saturate the color by 10%, you get **45.6329, 63.6651, 38.8653**, and if you desaturate by 10%, it is **60.0877, 70.6085, 62.5089**.

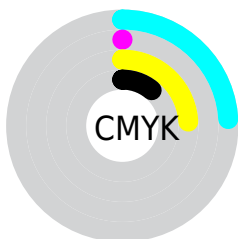
Distribution



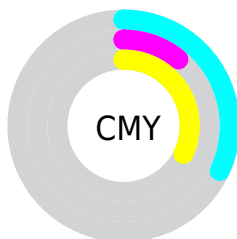
- Red (68%)
- Green (89%)
- Blue (68%)



- Red (68%)
- Yellow (89%)
- Blue (89%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)



- Cyan (32%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2455, 66.8395, 49.6829 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 52.2455, 66.8395, 49.6829 by changing the saturation by 10% instead.

■ 52.2455, 66.8395,
49.6829

■ 52.2455, 66.8395,
49.6829

385.6921,
449.3733, 402.1241

■ 37.4259, 48.9542,
34.7921

■ 92.6653, 114.6904,
91.0963

■ 25.7126, 34.5832,
23.2205

118.9961,
145.4248, 118.4560

■ 16.7403, 23.3420,
14.5496

149.8948,
181.2110, 150.8091

■ 10.1436, 14.8462,
8.3608

185.7265,
222.4335, 188.5741

■ 5.5573, 8.7115,
4.2356

226.8568,
269.4765, 232.1696

■ 2.6159, 4.5535,
1.7555

273.6509,

■ 0.9541, 1.9878,

322.7246, 282.0140

0.3983

326.4742,
382.5620, 338.5260

■ 0.0000, 0.6003,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.2455, 66.8395,
49.6829

■ 52.2455, 66.8395,
49.6829

■ 45.6329, 63.6651,
38.8653

■ 60.0877, 70.6085,
62.5089

■ 40.1826, 61.0471,
29.9504

■ 69.2119, 74.9913,
77.4330

■ 35.8291, 58.9558,
22.8294

■ 79.6736, 80.0166,
94.5449

■ 32.4981, 57.3558,
17.3809

■ 86.7604, 83.4207,
106.1368

■ 30.1062, 56.2069,
13.4685

■ 28.5569, 55.4627,
10.9342

■ 27.7330, 55.0669,
9.5864

■ 27.4704, 54.9407,
9.1569

Harmonies

Analogous

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



57.8465, 66.8395, 39.7825



52.2455, 66.8395, 49.6829



49.7044, 66.8395, 67.5374

Triad

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



52.2455, 66.8395, 49.6829



61.6721, 66.8395, 124.6177



78.4692, 66.8395, 57.2494

Complementary

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



52.2455, 66.8395, 49.6829



60.4895, 51.7656, 79.4794

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.



79.7050, 66.8395, 78.2805



52.2455, 66.8395, 49.6829



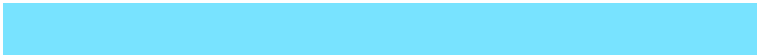
69.5718, 66.8395, 120.2912

Square

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



52.2455, 66.8395, 49.6829



54.8486, 66.8395, 112.9386



76.3301, 66.8395, 102.1046



73.0799, 66.8395, 43.4820

Rectangle

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



52.2455, 66.8395, 49.6829



49.9267, 66.8395, 82.8230



76.3301, 66.8395, 102.1046



79.4013, 66.8395, 63.5778

Sweetspot

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



52.2473, 66.8423, 49.6844



86.0432, 95.6736, 94.1678



66.6934, 74.2896, 50.3600



18.2592, 20.4024, 19.8980



0.0000, 0.0000, 0.0000



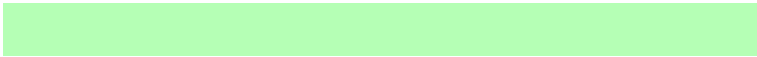
20.3446, 21.4041, 23.3091

Same Dimension

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



52.2473, 66.8423, 49.6844



63.1735, 84.6881, 56.7604



55.1299, 67.9954, 64.8642



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.



60.4895, 51.7656, 79.4794



75.8239, 61.5480, 102.4904



57.0495, 50.3896, 61.3647



14.9952, 14.6153, 18.1750



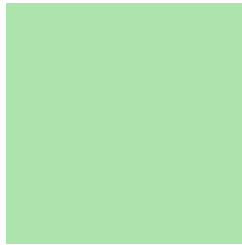
26.5610, 12.7586, 43.4445



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 52.2455, 66.8395, 49.6829 looks on a white background.

Color Contrast Check

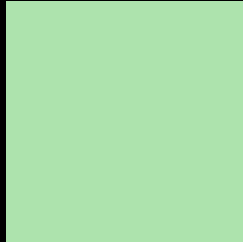
Large Text (above 18pt) WCAG AA × Fail

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 52.2455, 66.8395, 49.6829 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 52.2455, 66.8395, 49.6829

Background



This preview shows how black text looks on a background with the XYZ color 52.2455, 66.8395, 49.6829.



This preview shows how white text looks on a background with the XYZ color 52.2455, 66.8395,

49.6829.

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**

52.2455, 66.8395, 49.6829

Protanopia

62.1050, 66.1710, 45.5754

Deuteranopia

67.8732, 66.4698, 51.3721



Tritanopia

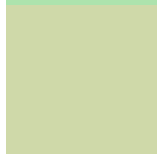
60.2390, 66.9095, 89.0968

Trichromacy



Original Color

52.2455, 66.8395, 49.6829



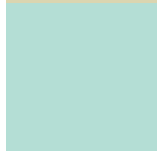
Protanomaly

57.7064, 65.7557, 47.1868



Deuteranomaly

60.8441, 65.7832, 50.5649



Tritanomaly

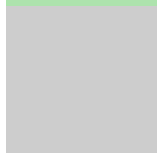
56.9539, 66.7499, 72.8330

Monochromacy



Original Color

52.2455, 66.8395, 49.6829



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.4122, 62.7762, 59.6486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2455, 66.8395, 49.6829 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(173, 227, 173)` looks like.

```
.text, #text, p{  
    color:rgb(173, 227, 173)  
}
```

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(173, 227, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 227, 173) }
```

Border

The CSS property to change the border of an element to XYZ 52.2455, 66.8395, 49.6829 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(173, 227, 173) }
```


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

```
.border{ border-color:rgb(173, 227, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 227, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 227, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 227, 173);  
box-shadow:4px 4px 4px 4px rgb(173, 227,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2455, 66.8395, 49.6829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 227, 173) }
```

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

```
.background{ background-color: rgb(173,  
227, 173) }
```

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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