

# Converting Colors

XYZ(55.1516, 73.5796, 48.6613)

Have a look what the booklet for  
XYZ(55.1516, 73.5796, 48.6613)  
contains.

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# Color

**XYZ(55.0412, 73.3682,  
48.7966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACEFA9
RGB	172, 239, 169
RGB Percent	67%, 94%, 66%
CMY	0.3255, 0.0627, 0.3372
CMYK	0.28, 0.00, 0.29, 0.06
HSL	117°, 69%, 80%
HSV	117°, 29%, 94%
XYZ	55.0412, 73.3682, 48.7966
YIQ	210.9870, -17.4620, -35.9740

# Conversions

## Conversions Part 2

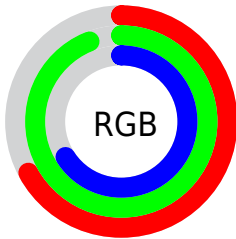
Format	Color
<a href="#">RYB</a>	<a href="#">169, 239, 236</a>
Decimal	<a href="#">11333545</a>
CIELab	<a href="#">88.62, -34.20, 27.33</a>
CIELCh	<a href="#">89, 43.781, 141.369</a>
Yxy	<a href="#">73.3682, 0.3106, 0.4140</a>
Android (android.graphics.Color)	<a href="#">4289523625 (0xFFACEFA9)</a>
YUV	<a href="#">210.9870, -20.6996, -34.1916</a>
Hunter-Lab	<a href="#">85.6552, -35.1944, 26.1820</a>

# Details

The XYZ color **55.0412, 73.3682, 48.7966** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.3631, 52.4429, 88.3953**, and the grayscale version is **62.0506, 65.2820, 71.0921**.

A 20% lighter version of the original color is **81.6637, 93.6143, 84.9994**, and **27.5571, 38.9795, 22.5944** is the 20% darker color. If you saturate the color by 10%, you get **48.4038, 70.1846, 37.8251**, and if you desaturate by 10%, it is **62.9568, 77.1676, 61.9719**.

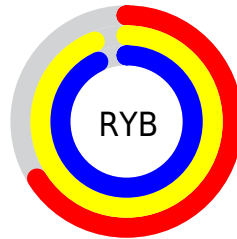
# Distribution



Red (67%)

Green (94%)

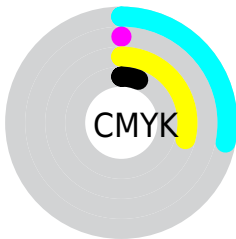
Blue (66%)



Red (66%)

Yellow (94%)

Blue (93%)

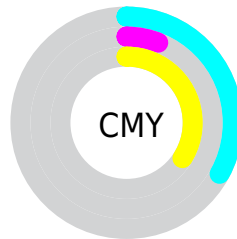


Cyan (28%)

Magenta (0%)

Yellow (29%)

Black (6%)



Cyan (33%)

Magenta (6%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0412, 73.3682, 48.7966 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 55.0412, 73.3682, 48.7966 by changing the saturation by 10% instead.



55.0412, 73.3682,  
48.7966

55.0412, 73.3682,  
48.7966

396.2020,  
472.2899, 398.5405

39.6687, 54.2771,  
34.0937

96.7493, 123.9998,  
89.7671

27.4634, 38.8232,  
22.6876

123.8156,  
156.3090, 116.8719

18.0599, 26.6222,  
14.1599

155.5105,  
193.7931, 148.9476

11.0930, 17.2897,  
8.0919

192.1994,  
236.8364, 186.4129

6.1972, 10.4413,  
4.0652

234.2476,  
285.8234, 229.6863

3.0071, 5.6925,  
1.6612


282.0206,

1.1575, 2.6590,

341.1384, 279.1863


0.3339


335.8836,  
403.1657, 335.3315


 0.0724, 0.9564,  
0.0000


 0.0000, 0.0000,  
0.0000

 55.0412, 73.3682,  
48.7966


 55.0412, 73.3682,  
48.7966


 48.4038, 70.1846,  
37.8251


 62.9568, 77.1676,  
61.9719


 42.9723, 67.5758,  
28.9325

 72.2068, 81.6030,  
77.4568

 38.6759, 65.5101,  
21.9892

 82.8506, 86.7049,  
95.3563

 35.4341, 63.9493,  
16.8490

 90.1579, 90.2159,  
107.2693

■ 33.1557, 62.8500,  
13.3451

■ 31.7343, 62.1615,  
11.2798

■ 31.0270, 61.8168,  
10.3453

■ 30.9961, 61.8019,  
10.2953

# Harmonies

## Analogous

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



62.5925, 73.3682, 37.0386



55.0412, 73.3682, 48.7966



51.5199, 73.3682, 71.4708

# Triad

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



55.0412, 73.3682, 48.7966



66.7306, 73.3682, 152.2966



90.4095, 73.3682, 60.5101

# Complementary

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



55.0412, 73.3682, 48.7966



64.3631, 52.4429, 88.3953

# 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.



91.8034, 73.3682, 88.9361



55.0412, 73.3682, 48.7966



77.3997, 73.3682, 147.2186

# Square

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



55.0412, 73.3682, 48.7966



57.8077, 73.3682, 134.4840



86.8339, 73.3682, 121.9789

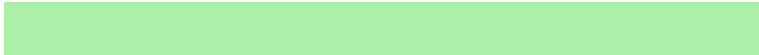


83.1978, 73.3682, 42.5174



# Rectangle

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



55.0412, 73.3682, 48.7966



51.6578, 73.3682, 91.9093



86.8339, 73.3682, 121.9789



91.6010, 73.3682, 68.9589

# Sweetspot

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



55.0431, 73.3713, 48.7982



83.9477, 94.6783, 90.2314



72.6129, 80.9223, 49.3297



17.6109, 20.0937, 18.7136



0.0000, 0.0000, 0.0000

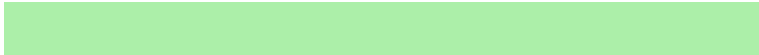


20.3446, 21.4041, 23.3091

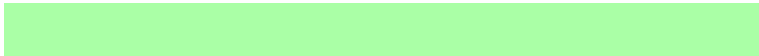


# Same Dimension

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



55.0431, 73.3713, 48.7982



59.1055, 82.7626, 48.8159



57.7149, 74.3648, 66.2645



15.6285, 17.6887, 16.7403



17.1560, 34.1658, 5.6904



1.4491, 2.8536, 0.4744



# Inverse Universe

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



64.3631, 52.4429, 88.3953



71.4881, 54.9436, 101.4451



61.1108, 51.2580, 66.0278



16.3834, 15.9949, 19.9454



26.4543, 12.6431, 46.1739

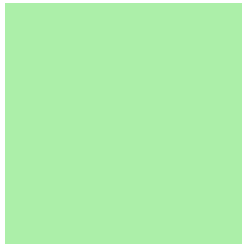


2.2213, 1.0624, 3.8422



# Previews

## White Background



This preview shows how the XYZ color 55.0412, 73.3682, 48.7966 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 55.0412, 73.3682, 48.7966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

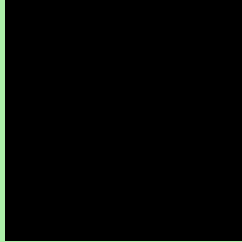
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.0412, 73.3682, 48.7966**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0412, 73.3682, 48.7966.



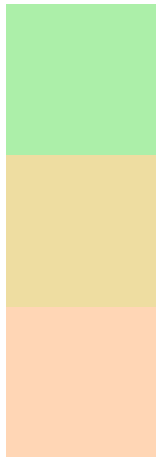
This preview shows how white text looks on a background with the XYZ color 55.0412, 73.3682,



# 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

55.0412, 73.3682, 48.7966

### Protanopia

67.5494, 72.4633, 44.1448

### Deuteranopia

73.6271, 72.6893, 53.8659



## Tritanopia

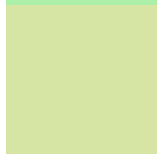
65.0575, 73.1931, 98.6945

# Trichromacy



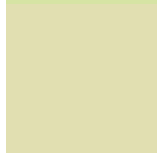
## Original Color

55.0412, 73.3682, 48.7966



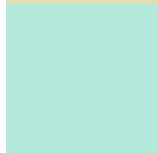
## Protanomaly

62.1758, 72.4633, 45.8318



## Deuteranomaly

65.3748, 71.9572, 52.0385



## Tritanomaly

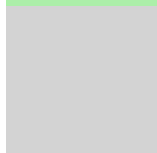
60.9812, 73.2161, 77.9359

# Monochromacy



## Original Color

55.0412, 73.3682, 48.7966



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

58.8462, 67.5687, 62.1651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0412, 73.3682, 48.7966 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(172, 239, 169)` looks like.

```
.text, #text, p{  
    color:rgb(172, 239, 169)  
}
```

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(172, 239, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 239, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0412, 73.3682, 48.7966 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(172, 239, 169) }
```



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

```
.border{ border-color:rgb(172, 239, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 239, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 239, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 239, 169); box-shadow:4px 4px 4px 4px rgb(172, 239, 169) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0412, 73.3682, 48.7966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 239, 169) }
```

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

```
.background{ background-color: rgb(172,  
239, 169) }
```

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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