

Converting Colors

XYZ(55.3645, 68.9193, 48.6637)

Have a look what the booklet for
XYZ(55.3645, 68.9193, 48.6637)
contains.

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Color

**XYZ(55.3438, 68.8662,
48.9037)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE4AB
RGB	186, 228, 171
RGB Percent	73%, 89%, 67%
CMY	0.2706, 0.1059, 0.3294
CMYK	0.18, 0.00, 0.25, 0.11
HSL	104°, 51%, 78%
HSV	104°, 25%, 89%
XYZ	55.3438, 68.8662, 48.9037
YIQ	208.9440, -6.7350, -26.6310

Conversions

Conversions Part 2

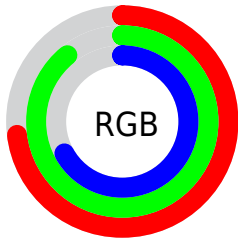
Format	Color
RYB	171, 228, 213
Decimal	12248235
CIELab	86.44, -24.02, 23.45
CIELCh	86, 33.570, 135.684
Yxy	68.8662, 0.3197, 0.3978
Android (android.graphics.Color)	4290438315 (0xFFBAE4AB)
YUV	208.9440, -18.7064, -20.1219
Hunter-Lab	82.9857, -26.1818, 23.1502

Details

The XYZ color **55.3438, 68.8662, 48.9037** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.0100, 48.8754, 79.8843**, and the grayscale version is **60.6907, 63.8513, 69.5341**.

A 20% lighter version of the original color is **86.5873, 96.1207, 86.6626**, and **27.5383, 35.7186, 22.5825** is the 20% darker color. If you saturate the color by 10%, you get **49.5111, 66.0912, 38.2481**, and if you desaturate by 10%, it is **62.0350, 72.0445, 61.5592**.

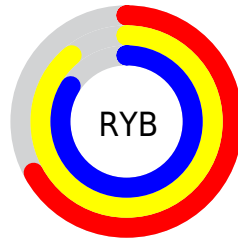
Distribution



Red (73%)

Green (89%)

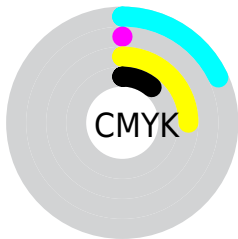
Blue (67%)



Red (67%)

Yellow (89%)

Blue (84%)

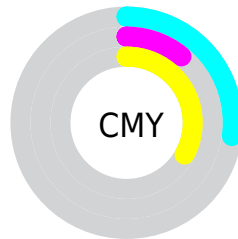


Cyan (18%)

Magenta (0%)

Yellow (25%)

Black (11%)



Cyan (27%)

Magenta (11%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3438, 68.8662, 48.9037 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 55.3438, 68.8662, 48.9037 by changing the saturation by 10% instead.

■ 55.3438, 68.8662,
48.9037

■ 55.3438, 68.8662,
48.9037

397.3291,
456.5589, 398.9746

■ 39.9120, 50.6028,
34.1780

■ 97.1899, 117.5904,
89.9279

■ 27.6538, 35.8926,
22.7519

124.3349,
148.8200, 117.0635

■ 18.2040, 24.3512,
14.2069

156.1149,
185.1405, 149.1729

■ 11.1971, 15.5944,
8.1243

192.8954,
226.9361, 186.6745

■ 6.2678, 9.2376,
4.0857

235.0417,
274.5914, 229.9870

■ 3.0508, 4.8965,
1.6725


282.9192,

■ 1.1807, 2.1866,


328.4907, 279.5288


0.3418


336.8932,
389.0184, 335.7185


 0.0910, 0.7127,
0.0000


 0.0000, 0.0000,
0.0000


 55.3438, 68.8662,
48.9037


 55.3438, 68.8662,
48.9037


 49.5111, 66.0912,
38.2481


 62.0350, 72.0445,
61.5592

 44.4958, 63.6945,
29.4858

 69.6129, 75.6325,
76.3049

 40.2610, 61.6614,
22.5070

 78.1110, 79.6476,
93.2310

 36.7652, 59.9734,
17.1890

 86.3777, 83.6308,
106.1975

■ 33.9622, 58.6095,
13.3936

■ 87.0348, 83.9696,
106.2283

■ 31.8003, 57.5466,
10.9600

■ 30.2189, 56.7578,
9.6915

■ 29.6079, 56.4500,
9.3355

Harmonies

Analogous

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



61.5018, 68.8662, 40.8920



55.3438, 68.8662, 48.9037



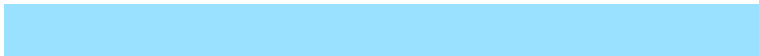
52.0289, 68.8662, 64.9001

Triad

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



55.3438, 68.8662, 48.9037



61.8326, 68.8662, 124.5113



80.9067, 68.8662, 64.0089

Complementary

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



55.3438, 68.8662, 48.9037



56.0100, 48.8754, 79.8843

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.



81.0130, 68.8662, 86.0609



55.3438, 68.8662, 48.9037



69.5747, 68.8662, 124.1413

Square

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



55.3438, 68.8662, 48.9037



55.5694, 68.8662, 109.9251



76.7289, 68.8662, 108.9965



76.4491, 68.8662, 48.3630

Rectangle

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



55.3438, 68.8662, 48.9037



51.6947, 68.8662, 79.2984



76.7289, 68.8662, 108.9965



81.4637, 68.8662, 70.8282

Sweetspot

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



55.3456, 68.8692, 48.9052



86.6219, 96.0147, 92.2618



63.0925, 66.9253, 48.1217



18.2197, 20.3992, 19.1215



0.0000, 0.0000, 0.0000



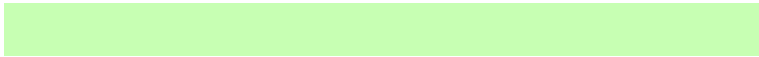
20.3446, 21.4041, 23.3091

Same Dimension

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



55.3456, 68.8692, 48.9052



67.3010, 86.8459, 55.5990



53.2234, 67.6212, 55.7610



14.5432, 16.2716, 15.2787



17.1909, 32.6437, 5.3948



1.3561, 2.4564, 0.4027

Inverse Universe

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



56.0100, 48.8754, 79.8843



68.2885, 56.9004, 101.9914



58.7876, 50.5126, 70.7425



14.6057, 14.4145, 18.1568



17.5290, 8.1024, 43.0232



1.3815, 0.6432, 3.1833

Previews

White Background



This preview shows how the XYZ color 55.3438, 68.8662, 48.9037 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 55.3438, 68.8662, 48.9037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

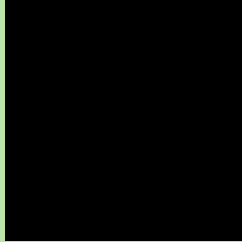
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.3438, 68.8662, 48.9037

Background



This preview shows how black text looks on a background with the XYZ color 55.3438, 68.8662, 48.9037.



This preview shows how white text looks on a background with the XYZ color 55.3438, 68.8662,

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

55.3438, 68.8662, 48.9037

Protanopia

63.7251, 68.1405, 45.3911

Deuteranopia

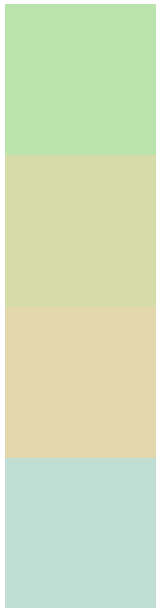
69.8343, 68.2300, 50.0465



Tritanopia

63.6435, 68.6478, 90.0167

Trichromacy



Original Color

55.3438, 68.8662, 48.9037

Protanomaly

60.2998, 68.2726, 46.5590

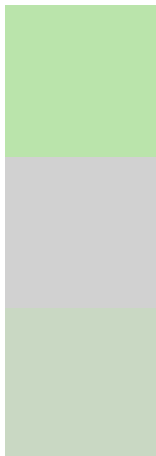
Deuteranomaly

63.6190, 67.9878, 49.8143

Tritanomaly

60.1238, 68.3841, 72.9814

Monochromacy



Original Color

55.3438, 68.8662, 48.9037

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

58.4936, 65.4694, 61.1837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3438, 68.8662, 48.9037 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(186, 228, 171)` looks like.

```
.text, #text, p{  
    color:rgb(186, 228, 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(186, 228, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 228, 171) }
```

Border

The CSS property to change the border of an element to XYZ 55.3438, 68.8662, 48.9037 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(186, 228, 171) }
```


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

```
.border{ border-color:rgb(186, 228, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 228, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 228, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 228, 171); box-shadow:4px 4px 4px 4px rgb(186, 228, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3438, 68.8662, 48.9037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 228, 171) }
```

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

```
.background{ background-color: rgb(186,  
228, 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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