

Converting Colors

XYZ(55.4668, 68.1870, 50.2654)

Have a look what the booklet for
XYZ(55.4668, 68.1870, 50.2654)
contains.

XYZ(55.3299, 68.0135, 50.2561)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.3299, 68.0135,
50.2561)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE2AE
RGB	187, 226, 174
RGB Percent	73%, 89%, 68%
CMY	0.2667, 0.1137, 0.3176
CMYK	0.17, 0.00, 0.23, 0.11
HSL	105°, 47%, 78%
HSV	105°, 23%, 89%
XYZ	55.3299, 68.0135, 50.2561
YIQ	208.4110, -6.5520, -24.4400

Conversions

Conversions Part 2

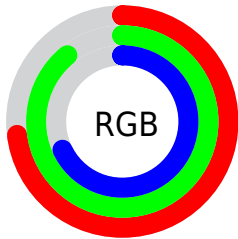
Format	Color
RYB	174, 226, 213
Decimal	12313262
CIELab	86.01, -22.22, 21.32
CIELCh	86, 30.798, 136.187
Yxy	68.0135, 0.3187, 0.3918
Android (android.graphics.Color)	4290503342 (0xFFBBE2AE)
YUV	208.4110, -16.9646, -18.7774
Hunter-Lab	82.4703, -24.5661, 21.5988

Details

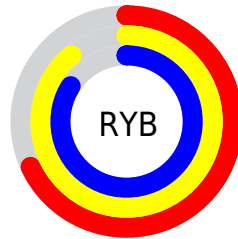
The XYZ color **55.3299, 68.0135, 50.2561** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.3068, 49.9111, 78.6212**, and the grayscale version is **60.3323, 63.4743, 69.1235**.

A 20% lighter version of the original color is **87.3512, 96.4663, 88.8789**, and **27.6870, 35.4928, 23.4807** is the 20% darker color. If you saturate the color by 10%, you get **49.4047, 65.1945, 39.4293**, and if you desaturate by 10%, it is **62.1190, 71.2390, 63.0613**.

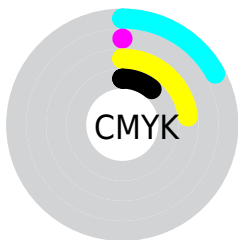
Distribution



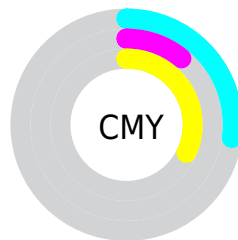
- Red (73%)
- Green (89%)
- Blue (68%)



- Red (68%)
- Yellow (89%)
- Blue (84%)



- Cyan (17%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)



- Cyan (27%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3299, 68.0135, 50.2561 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 55.3299, 68.0135, 50.2561 by changing the saturation by 10% instead.

■ 55.3299, 68.0135,
50.2561

■ 55.3299, 68.0135,
50.2561

397.2774,
453.5438, 404.4303

■ 39.9008, 49.9087,
35.2443

■ 97.1696, 116.3715,
91.9544

■ 27.6451, 35.3409,
23.5661

124.3110,
147.3934, 119.4780

■ 18.1974, 23.9256,
14.8028

156.0872,
183.4899, 152.0094

■ 11.1923, 15.2784,
8.5360

192.8635,
225.0453, 189.9669

■ 6.2646, 9.0150,
4.3472

235.0053,
272.4440, 233.7693

■ 3.0488, 4.7510,
1.8177

282.8780,

■ 1.1796, 2.1019,

326.0704, 283.8349

0.4396

336.8469,
386.3089, 340.5824

■ 0.0902, 0.6657,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.3299, 68.0135,
50.2561

■ 55.3299, 68.0135,
50.2561

■ 49.4047, 65.1945,
39.4293

■ 62.1190, 71.2390,
63.0613

■ 44.3025, 62.7571,
30.4779

■ 69.8000, 74.8775,
77.9320

■ 39.9871, 60.6868,
23.2966

■ 78.4062, 78.9463,
94.9554

■ 36.4172, 58.9652,
17.7676

■ 86.4161, 82.8385,
106.0425

■ 33.5474, 57.5715,
13.7591

■ 86.4877, 82.8754,
106.0459

■ 31.3272, 56.4831,
11.1189

■ 29.6977, 55.6736,
9.6632

■ 28.8564, 55.2505,
9.1435

Harmonies

Analogous

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



60.9314, 68.0135, 42.6257



55.3299, 68.0135, 50.2561



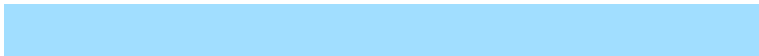
52.3310, 68.0135, 65.1503

Triad

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



55.3299, 68.0135, 50.2561



61.4557, 68.0135, 118.6200



78.5869, 68.0135, 63.7308

Complementary

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



55.3299, 68.0135, 50.2561



56.3068, 49.9111, 78.6212

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.



78.7530, 68.0135, 83.7365



55.3299, 68.0135, 50.2561



68.5060, 68.0135, 118.0496

Square

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



55.3299, 68.0135, 50.2561



55.6896, 68.0135, 105.8237



74.9505, 68.0135, 104.3838



74.5120, 68.0135, 49.3807

Rectangle

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



55.3299, 68.0135, 50.2561



52.0590, 68.0135, 78.3277



74.9505, 68.0135, 104.3838



79.1113, 68.0135, 69.9408

Sweetspot

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



55.3317, 68.0164, 50.2576



87.5529, 96.4519, 94.2383



62.8011, 66.8162, 49.6322



18.6076, 20.5820, 19.9142



0.0000, 0.0000, 0.0000



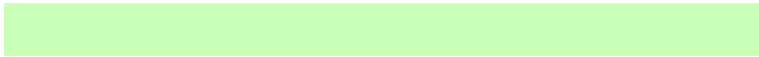
20.3446, 21.4041, 23.3091

Same Dimension

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



55.3317, 68.0164, 50.2576



68.5779, 87.4436, 58.3917



53.6236, 66.9823, 57.1178



13.8482, 15.5019, 14.5691



16.5535, 31.5661, 5.2204



1.2286, 2.2299, 0.3657

Inverse Universe

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



56.3068, 49.9111, 78.6212



70.0833, 59.3657, 102.3727



58.5128, 51.2467, 69.7612



13.9429, 13.7541, 17.3076



17.3422, 8.0355, 41.6853



1.2823, 0.5983, 2.8931

Previews

White Background



This preview shows how the XYZ color 55.3299, 68.0135, 50.2561 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 55.3299, 68.0135, 50.2561 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 55.3299, 68.0135, 50.2561

Background



This preview shows how black text looks on a background with the XYZ color 55.3299, 68.0135, 50.2561.



This preview shows how white text looks on a background with the XYZ color 55.3299, 68.0135,

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

55.3299, 68.0135, 50.2561

Protanopia

63.4275, 67.5783, 46.7467

Deuteranopia

68.8186, 67.3134, 51.4851



Tritanopia

63.0928, 68.0113, 88.3994

Trichromacy



Original Color

55.3299, 68.0135, 50.2561

Protanomaly

60.0587, 67.3412, 47.8629

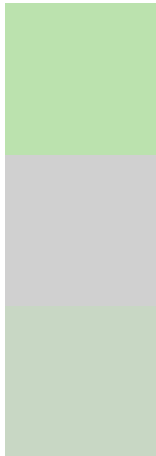
Deuteranomaly

63.0941, 66.9316, 51.1886

Tritanomaly

59.8590, 67.8545, 72.8931

Monochromacy



Original Color

55.3299, 68.0135, 50.2561

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.0837, 64.8658, 61.6836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3299, 68.0135, 50.2561 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(187, 226, 174)` looks like.

```
.text, #text, p{  
    color:rgb(187, 226, 174)  
}
```

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(187, 226, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 226, 174) }
```

Border

The CSS property to change the border of an element to XYZ 55.3299, 68.0135, 50.2561 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(187, 226, 174) }
```


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

```
.border{ border-color:rgb(187, 226, 174) }
```

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

Here you see how a box with a 4 pixel rgb(187, 226, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 226, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 226, 174);  
box-shadow:4px 4px 4px 4px rgb(187, 226,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3299, 68.0135, 50.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 226, 174) }
```

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

```
.background{ background-color: rgb(187,  
226, 174) }
```

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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