

Converting Colors

XYZ(55.1758, 69.7484, 63.1299)

Have a look what the booklet for
XYZ(55.1758, 69.7484, 63.1299)
contains.

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Color

**XYZ(55.2315, 69.7291,
63.3714)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE7C5
RGB	170, 231, 197
RGB Percent	67%, 91%, 77%
CMY	0.3333, 0.0941, 0.2274
CMYK	0.26, 0.00, 0.15, 0.09
HSL	147°, 56%, 79%
HSV	147°, 26%, 91%
XYZ	55.2315, 69.7291, 63.3714
YIQ	208.8850, -25.4420, -23.5060

Conversions

Conversions Part 2

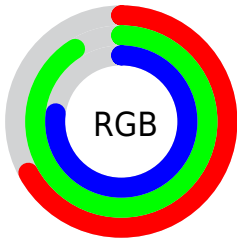
Format	Color
RYB	170, 212, 231
Decimal	11200453
CIELab	86.86, -26.14, 10.37
CIELCh	87, 28.119, 158.365
Yxy	69.7291, 0.2933, 0.3702
Android (android.graphics.Color)	4289390533 (0xFFAAE7C5)
YUV	208.8850, -5.8593, -34.1021
Hunter-Lab	83.5040, -28.0678, 13.4574

Details

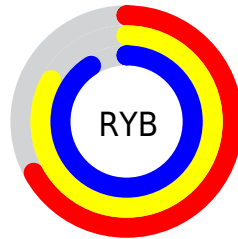
The XYZ color **55.2315, 69.7291, 63.3714** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.2312, 50.0996, 63.7306**, and the grayscale version is **60.5798, 63.7346, 69.4070**.

A 20% lighter version of the original color is **85.0134, 94.8445, 107.5921**, and **27.4904, 36.3561, 31.5551** is the 20% darker color. If you saturate the color by 10%, you get **49.2571, 66.8143, 55.7169**, and if you desaturate by 10%, it is **62.2133, 73.1524, 71.7339**.

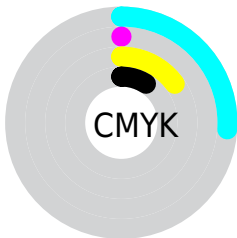
Distribution



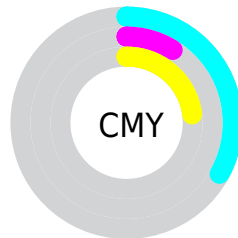
- Red (67%)
- Green (91%)
- Blue (77%)



- Red (67%)
- Yellow (83%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)



- Cyan (33%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2315, 69.7291, 63.3714 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 55.2315, 69.7291, 63.3714 by changing the saturation by 10% instead.

■ 55.2315, 69.7291,
63.3714

■ 55.2315, 69.7291,
63.3714

396.9110,
459.5983, 455.0611

■ 39.8217, 51.3057,
45.6988

■ 97.0264, 118.8224,
111.2959

■ 27.5831, 36.4520,
31.6613

124.1422,
150.2610, 142.3849

■ 18.1505, 24.7835,
20.8402

155.8907,
186.8069, 178.7831

■ 11.1584, 15.9158,
12.8172

192.6372,
228.8444, 220.9090

■ 6.2416, 9.4646,
7.1735

234.7472,
276.7578, 269.1813

■ 3.0346, 5.0454,
3.4908


282.5859,

■ 1.1721, 2.2739,


330.9317, 324.0183


1.3504


336.5187,
391.7504, 385.8388


 0.0841, 0.7599,
0.1025


 0.0000, 0.0000,
0.0000


 55.2315, 69.7291,
63.3714


 55.2315, 69.7291,
63.3714


 49.2571, 66.8143,
55.7169


 62.2133, 73.1524,
71.7339


 44.2352, 64.3745,
48.7471

 70.2422, 77.0987,
80.8177

 40.1143, 62.3854,
42.4439

 79.3629, 81.5926,
90.6415

 36.8357, 60.8170,
36.7870

 86.8392, 85.2232,
101.0921

■ 34.3330, 59.6356,
31.7547

■ 87.8672, 85.6345,
106.5057

■ 32.5291, 58.8019,
27.3238

■ 31.3281, 58.2668,
23.4693

■ 30.9876, 58.1186,
22.2186

Harmonies

Analogous

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



58.7531, 69.7291, 50.9818



55.2315, 69.7291, 63.3714



54.5663, 69.7291, 81.2987

Triad

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



55.2315, 69.7291, 63.3714



68.1267, 69.7291, 117.5500



76.6622, 69.7291, 55.6423

Complementary

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



55.2315, 69.7291, 63.3714



58.2312, 50.0996, 63.7306

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.



79.5502, 69.7291, 70.7899



55.2315, 69.7291, 63.3714



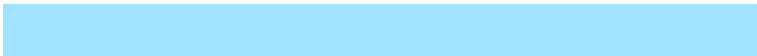
74.4139, 69.7291, 107.9047

Square

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



55.2315, 69.7291, 63.3714



61.7341, 69.7291, 114.6827



78.7013, 69.7291, 90.0316



71.0342, 69.7291, 47.0585

Rectangle

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



55.2315, 69.7291, 63.3714



55.7873, 69.7291, 94.4046



78.7013, 69.7291, 90.0316



78.0020, 69.7291, 60.0263

Sweetspot

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



55.2334, 69.7320, 63.3730



86.1619, 95.6233, 99.2089



60.8915, 72.9749, 48.9073



18.1056, 20.3018, 20.8590



0.0000, 0.0000, 0.0000



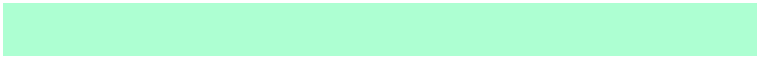
20.3446, 21.4041, 23.3091

Same Dimension

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



55.2334, 69.7320, 63.3730



64.6549, 85.0790, 73.6716



59.0117, 71.2433, 83.2692



14.4530, 16.1946, 16.6504



17.4315, 32.6047, 12.7727



1.3342, 2.4278, 1.1866

Inverse Universe

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



58.2312, 50.0996, 63.7306



69.0312, 56.4091, 74.1871



54.9782, 48.7984, 46.6008



14.7116, 14.5018, 16.6819



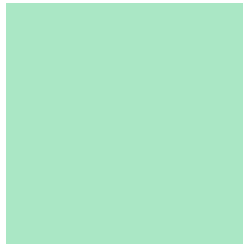
20.7509, 10.4346, 12.8492



1.5800, 0.7897, 1.1948

Previews

White Background



This preview shows how the XYZ color 55.2315, 69.7291, 63.3714 looks on a white background.

Color Contrast Check

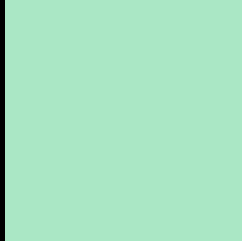
Large Text (above 18pt) WCAG AA × Fail

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 55.2315, 69.7291, 63.3714 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 55.2315, 69.7291, 63.3714

Background



This preview shows how black text looks on a background with the XYZ color 55.2315, 69.7291, 63.3714.

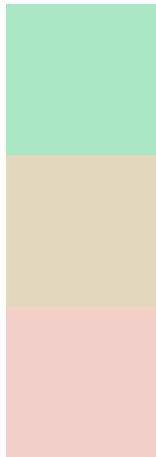


This preview shows how white text looks on a background with the XYZ color 55.2315, 69.7291,

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

55.2315, 69.7291, 63.3714

Protanopia

65.4197, 69.1168, 58.0370

Deuteranopia

70.4233, 68.9199, 65.4683



Tritanopia

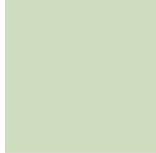
61.6933, 69.9052, 95.0355

Trichromacy



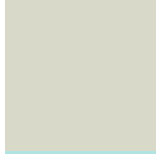
Original Color

55.2315, 69.7291, 63.3714



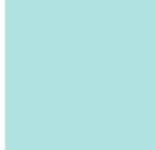
Protanomaly

60.8245, 68.6405, 59.9123



Deuteranomaly

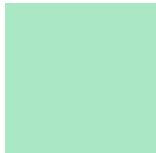
63.5571, 68.3948, 64.4953



Tritanomaly

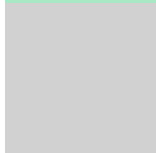
59.1010, 69.6593, 82.2821

Monochromacy



Original Color

55.2315, 69.7291, 63.3714



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.3380, 65.6356, 67.3518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2315, 69.7291, 63.3714 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(170, 231, 197)` looks like.

```
.text, #text, p{  
    color:rgb(170, 231, 197)  
}
```

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(170, 231, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 231, 197) }
```

Border

The CSS property to change the border of an element to XYZ 55.2315, 69.7291, 63.3714 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(170, 231, 197) }
```


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

```
.border{ border-color:rgb(170, 231, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 231, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 231, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 231, 197);  
box-shadow:4px 4px 4px 4px rgb(170, 231,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2315, 69.7291, 63.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 231, 197) }
```

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

```
.background{ background-color: rgb(170,  
231, 197) }
```

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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