

Converting Colors

XYZ(56.4137, 69.4224, 72.1317)

Have a look what the booklet for
XYZ(56.4137, 69.4224, 72.1317)
contains.

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Color

**XYZ(56.3547, 69.2878,
72.0317)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE5D3
RGB	170, 229, 211
RGB Percent	67%, 90%, 83%
CMY	0.3333, 0.1019, 0.1725
CMYK	0.26, 0.00, 0.08, 0.10
HSL	162°, 53%, 78%
HSV	162°, 26%, 90%
XYZ	56.3547, 69.2878, 72.0317
YIQ	209.3070, -29.3860, -18.1060

Conversions

Conversions Part 2

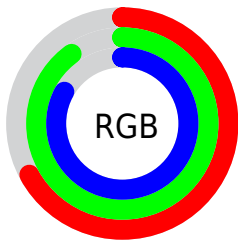
Format	Color
RYB	170, 205, 229
Decimal	11199955
CIELab	86.65, -22.39, 2.71
CIELCh	87, 22.555, 173.103
Yxy	69.2878, 0.2851, 0.3505
Android (android.graphics.Color)	4289390035 (0xFFAAE5D3)
YUV	209.3070, 0.8346, -34.4722
Hunter-Lab	83.2393, -24.8206, 6.9605

Details

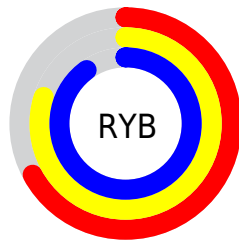
The XYZ color **56.3547, 69.2878, 72.0317** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.7673, 49.0400, 54.1061**, and the grayscale version is **60.8148, 63.9819, 69.6762**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **28.2318, 36.0345, 37.3657** is the 20% darker color. If you saturate the color by 10%, you get **50.9722, 66.6139, 67.3070**, and if you desaturate by 10%, it is **62.6415, 72.4272, 77.0005**.

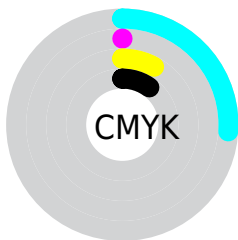
Distribution



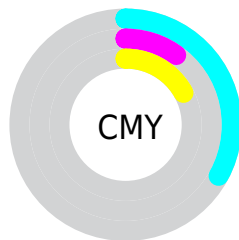
- Red (67%)
- Green (90%)
- Blue (83%)



- Red (67%)
- Yellow (80%)
- Blue (90%)



- Cyan (26%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)





- Cyan (33%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3547, 69.2878, 72.0317 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 56.3547, 69.2878, 72.0317 by changing the saturation by 10% instead.


 56.3547, 69.2878,
72.0317

 56.3547, 69.2878,
72.0317


401.0802,
458.0454, 486.6324

 40.7255, 50.9461,
52.6976


 98.6598, 118.1925,
123.8097

 28.2914, 36.1657,
37.1753

126.0664,
149.5244, 157.0907

 18.6870, 24.5622,
25.0464


158.1295,
185.9551, 195.8578

 11.5470, 15.7512,
15.8923

195.2145,
227.8691, 240.5294

 6.5060, 9.3483,
9.2945

237.6867,
275.6507, 291.5241

 3.1987, 4.9690,
4.8343


285.9115,


 1.2597, 2.2291,


329.6844, 349.2605


2.0933


340.2542,
390.3545, 414.1571


 0.1527, 0.7358,
0.6118


 0.0000, 0.0000,
0.0000


 56.3547, 69.2878,
72.0317


 56.3547, 69.2878,
72.0317

 50.9722, 66.6139,
67.3070


 62.6415, 72.4272,
77.0005


 46.4430, 64.3737,
62.8171


 69.8687, 76.0450,
82.2130


 42.7197, 62.5447,
58.5586


 78.0775, 80.1644,
87.6752

 39.7480, 61.0989,
54.5266


 84.8334, 83.5303,
93.2753


 37.4665, 60.0047,
50.7153


 85.8857, 83.9512,
98.8169

 35.8037, 59.2254,
47.1188

 86.9784, 84.3883,
104.5710

 34.6716, 58.7156,
43.7303

 87.3106, 84.5211,
106.3202

 34.2899, 58.5489,
42.3542

Harmonies

Analogous

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



58.1254, 69.2878, 59.4164



56.3547, 69.2878, 72.0317



57.0197, 69.2878, 87.3363

Triad

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



56.3547, 69.2878, 72.0317



69.8876, 69.2878, 105.2054



72.0897, 69.2878, 54.6464

Complementary

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



56.3547, 69.2878, 72.0317



55.7673, 49.0400, 54.1061

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.



75.5610, 69.2878, 64.6810



56.3547, 69.2878, 72.0317



74.2433, 69.2878, 94.1190

Square

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



56.3547, 69.2878, 72.0317



64.6539, 69.2878, 107.8542



76.3693, 69.2878, 78.9596



67.0728, 69.2878, 50.2772

Rectangle

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



56.3547, 69.2878, 72.0317



58.7727, 69.2878, 96.9187



76.3693, 69.2878, 78.9596



73.4866, 69.2878, 57.3994

Sweetspot

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



56.3567, 69.2906, 72.0333



86.9529, 95.9397, 103.3744



56.1849, 69.7222, 48.5277



18.3050, 20.3815, 21.9089



0.0000, 0.0000, 0.0000



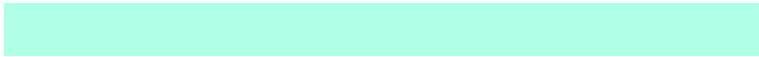
20.3446, 21.4041, 23.3091

Same Dimension

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



56.3567, 69.2906, 72.0333



68.0601, 86.5070, 88.6231



55.8415, 64.4437, 83.6278



14.6103, 16.2576, 17.4788



19.6604, 33.4963, 24.5100



1.4938, 2.4916, 2.0267

Inverse Universe

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



55.7673, 49.0400, 54.1061



67.1890, 56.4645, 62.0438



56.0576, 52.5354, 45.2170



14.5571, 14.4400, 15.8682



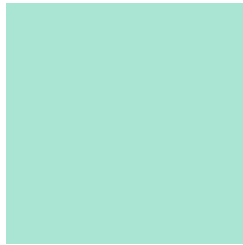
19.1518, 9.7950, 4.4286



1.4555, 0.7399, 0.5393

Previews

White Background



This preview shows how the XYZ color 56.3547, 69.2878, 72.0317 looks on a white background.

Color Contrast Check

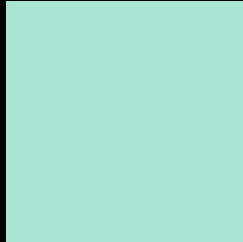
Large Text (above 18pt) WCAG AA × Fail

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 56.3547, 69.2878, 72.0317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

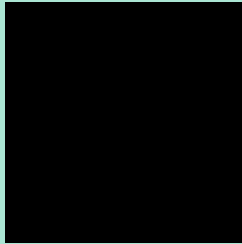
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

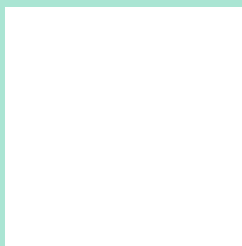
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.3547, 69.2878, 72.0317

Background



This preview shows how black text looks on a background with the XYZ color 56.3547, 69.2878, 72.0317.

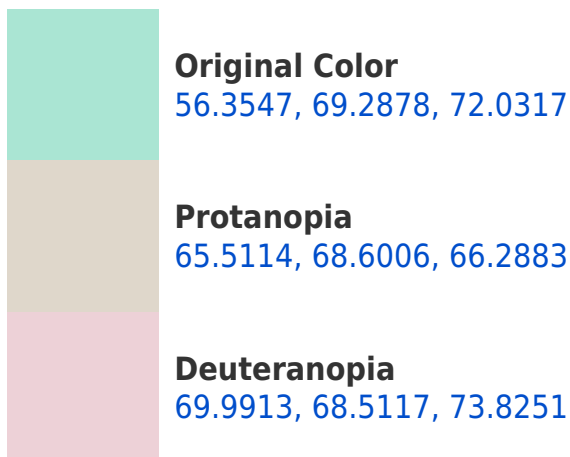


This preview shows how white text looks on a background with the XYZ color 56.3547, 69.2878,

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





Tritanopia

60.5872, 68.9522, 94.1202

Trichromacy



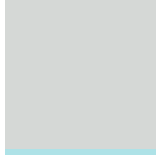
Original Color

56.3547, 69.2878, 72.0317



Protanomaly

61.6356, 68.4800, 68.3619



Deuteranomaly

64.1340, 68.1129, 73.3852



Tritanomaly

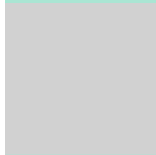
59.0757, 69.1609, 85.8371

Monochromacy



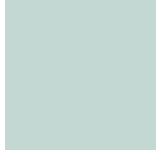
Original Color

56.3547, 69.2878, 72.0317



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.6944, 65.3670, 70.4963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3547, 69.2878, 72.0317 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, 229, 211)` looks like.

```
.text, #text, p{  
    color:rgb(170, 229, 211)  
}
```

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, 229, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 229, 211) }
```

Border

The CSS property to change the border of an element to XYZ 56.3547, 69.2878, 72.0317 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, 229, 211) }
```


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

```
.border{ border-color:rgb(170, 229, 211) }
```

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

Here you see how a box with a 4 pixel rgb(170, 229, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 229, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 229, 211);  
box-shadow:4px 4px 4px 4px rgb(170, 229,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3547, 69.2878, 72.0317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 229, 211) }
```

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

```
.background{ background-color: rgb(170,  
229, 211) }
```

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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