

Converting Colors

XYZ(56.3218, 67.7213, 72.4370)

Have a look what the booklet for
XYZ(56.3218, 67.7213, 72.4370)
contains.

XYZ(56.2644, 67.6026, 72.3705)	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(56.2644, 67.6026,
72.3705)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE1D4
RGB	174, 225, 212
RGB Percent	68%, 88%, 83%
CMY	0.3176, 0.1176, 0.1686
CMYK	0.23, 0.00, 0.06, 0.12
HSL	165°, 46%, 78%
HSV	165°, 23%, 88%
XYZ	56.2644, 67.6026, 72.3705
YIQ	208.2690, -26.2230, -14.8550

Conversions

Conversions Part 2

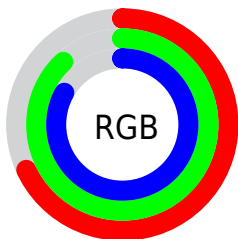
Format	Color
RYB	174, 203, 225
Decimal	11461076
CIELab	85.81, -19.00, 0.99
CIELCh	86, 19.025, 177.020
Yxy	67.6026, 0.2867, 0.3445
Android (android.graphics.Color)	4289651156 (0xFFAEE1D4)
YUV	208.2690, 1.8394, -30.0539
Hunter-Lab	82.2208, -21.7373, 5.3677

Details

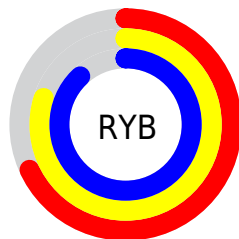
The XYZ color **56.2644, 67.6026, 72.3705** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.1594, 49.8692, 53.7350**, and the grayscale version is **60.1309, 63.2623, 68.8927**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **28.2063, 35.1768, 37.2015** is the 20% darker color. If you saturate the color by 10%, you get **50.9551, 64.9495, 68.4125**, and if you desaturate by 10%, it is **62.4429, 70.7044, 76.5063**.

Distribution



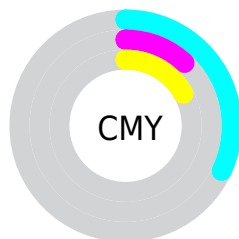
- Red (68%)
- Green (88%)
- Blue (83%)



- Red (68%)
- Yellow (80%)
- Blue (88%)



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)





- Cyan (32%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2644, 67.6026, 72.3705 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 56.2644, 67.6026, 72.3705 by changing the saturation by 10% instead.


 56.2644, 67.6026,
72.3705

 56.2644, 67.6026,
72.3705


400.7460,
452.0867, 487.8423

 40.6528, 49.5745,
52.9727


 98.5286, 115.7835,
124.2958

 28.2343, 35.0754,
37.3934


125.9119,
146.7050, 157.6603

 18.6437, 23.7210,
25.2141


157.9499,
182.6931, 196.5175

 11.5156, 15.1268,
16.0161

195.0077,
224.1323, 241.2859

 6.4846, 8.9084,
9.3811

237.4510,
271.4068, 292.3840

 3.1854, 4.6815,
4.8904


285.6448,


 1.2525, 2.0616,


324.9011, 350.2305


2.1255


339.9547,
384.9996, 415.2437


 0.1473, 0.6429,
0.6309


 0.0000, 0.0000,
0.0000

 56.2644, 67.6026,
72.3705


 56.2644, 67.6026,
72.3705

 50.9551, 64.9495,
68.4125


 62.4429, 70.7044,
76.5063


 46.4671, 62.7151,
64.6243


 69.5241, 74.2668,
80.8185


 42.7568, 60.8786,
61.0039

 77.5465, 78.3114,
85.3117


 39.7740, 59.4143,
57.5477


 83.1543, 81.1081,
89.8301


 37.4624, 58.2932,
54.2515


 83.9965, 81.4449,
94.2651


 35.7572, 57.4819,
51.1108

 84.8656, 81.7926,
98.8420

 34.5804, 56.9402,
48.1205

 85.7620, 82.1512,
103.5623

 33.9609, 56.6667,
46.0182

 86.2165, 82.3330,
105.9555

Harmonies

Analogous

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



57.4955, 67.6026, 61.3326



56.2644, 67.6026, 72.3705



57.0930, 67.6026, 85.0255

Triad

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



56.2644, 67.6026, 72.3705



68.1263, 67.6026, 97.0549



68.9117, 67.6026, 55.3001

Complementary

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



56.2644, 67.6026, 72.3705



55.1594, 49.8692, 53.7350

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.



71.9906, 67.6026, 63.2608



56.2644, 67.6026, 72.3705



71.5229, 67.6026, 87.4202

Square

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



56.2644, 67.6026, 72.3705



63.8208, 67.6026, 100.1906



72.9668, 67.6026, 74.8590



64.6897, 67.6026, 52.1993

Rectangle

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



56.2644, 67.6026, 72.3705



58.7235, 67.6026, 92.5434



72.9668, 67.6026, 74.8590



70.1218, 67.6026, 57.4491

Sweetspot

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



56.2663, 67.6054, 72.3720



88.0610, 96.4807, 104.7935



55.2079, 67.5500, 50.1740



18.7259, 20.5890, 22.3555



0.0000, 0.0000, 0.0000



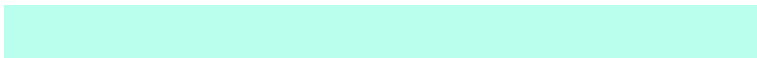
20.3446, 21.4041, 23.3091

Same Dimension

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



56.2663, 67.6054, 72.3720



71.3976, 88.1185, 93.7090



54.8676, 62.0762, 80.3276



13.9595, 15.5095, 16.8219



19.6185, 32.6723, 26.7778



1.3954, 2.2789, 2.0432

Inverse Universe

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



55.1594, 49.8692, 53.7350



69.6940, 60.7864, 64.9999



56.2313, 54.1411, 47.5319



13.8499, 13.7576, 14.9798



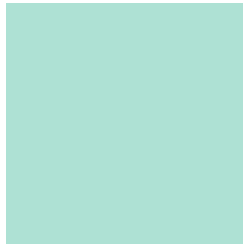
18.3641, 9.4126, 3.3172



1.3088, 0.6668, 0.4190

Previews

White Background



This preview shows how the XYZ color 56.2644, 67.6026, 72.3705 looks on a white background.

Color Contrast Check

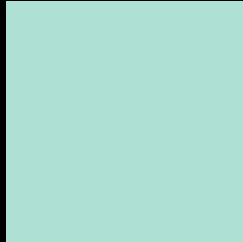
Large Text (above 18pt) WCAG AA × Fail

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 56.2644, 67.6026, 72.3705 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

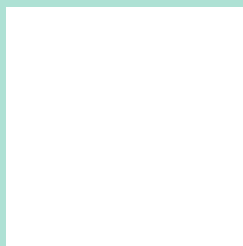
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.2644, 67.6026, 72.3705

Background



This preview shows how black text looks on a background with the XYZ color 56.2644, 67.6026, 72.3705.

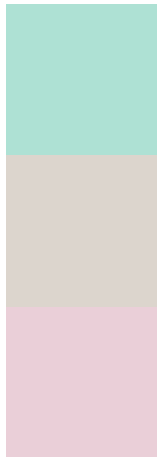


This preview shows how white text looks on a background with the XYZ color 56.2644, 67.6026,

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

56.2644, 67.6026, 72.3705

Protanopia

64.3289, 67.2119, 67.3403

Deuteranopia

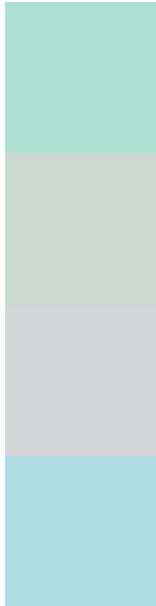
68.6392, 67.0759, 74.2950



Tritanopia

60.0268, 67.5286, 91.5319

Trichromacy



Original Color

56.2644, 67.6026, 72.3705

Protanomaly

60.8266, 66.8763, 69.3770

Deuteranomaly

63.4637, 66.9965, 73.8767

Tritanomaly

58.3956, 67.2468, 84.0309

Monochromacy



Original Color

56.2644, 67.6026, 72.3705

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.3201, 64.4323, 69.6845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2644, 67.6026, 72.3705 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(174, 225, 212)` looks like.

```
.text, #text, p{  
    color:rgb(174, 225, 212)  
}
```

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(174, 225, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 225, 212) }
```

Border

The CSS property to change the border of an element to XYZ 56.2644, 67.6026, 72.3705 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(174, 225, 212) }
```


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

```
.border{ border-color:rgb(174, 225, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 225, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 225, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 225, 212);  
box-shadow:4px 4px 4px 4px rgb(174, 225,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2644, 67.6026, 72.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 225, 212) }
```

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

```
.background{ background-color: rgb(174,  
225, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor