

Converting Colors

XYZ(56.1537, 71.5447, 62.8707)

Have a look what the booklet for
XYZ(56.1537, 71.5447, 62.8707)
contains.

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Color

**XYZ(56.1812, 71.4891,
63.0623)**

Conversions

Conversions Part 1

Format	Color
Hex	ABEAC4
RGB	171, 234, 196
RGB Percent	67%, 92%, 77%
CMY	0.3294, 0.0823, 0.2314
CMYK	0.27, 0.00, 0.16, 0.08
HSL	144°, 60%, 79%
HSV	144°, 27%, 92%
XYZ	56.1812, 71.4891, 63.0623
YIQ	210.8310, -25.3500, -25.1740

Conversions

Conversions Part 2

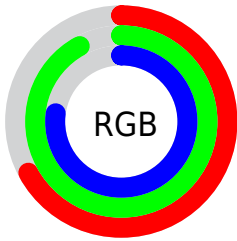
Format	Color
RYB	171, 216, 234
Decimal	11266756
CIELab	87.72, -27.46, 12.12
CIELCh	88, 30.015, 156.186
Yxy	71.4891, 0.2946, 0.3748
Android (android.graphics.Color)	4289456836 (0xFFABEAC4)
YUV	210.8310, -7.3117, -34.9318
Hunter-Lab	84.5512, -29.3579, 14.9646

Details

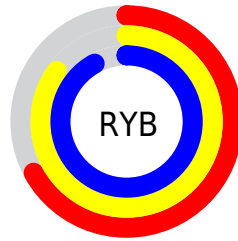
The XYZ color **56.1812, 71.4891, 63.0623** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.0056, 51.2233, 67.0490**, and the grayscale version is **61.8656, 65.0874, 70.8802**.

A 20% lighter version of the original color is **85.1682, 94.9427, 106.7654**, and **28.1390, 37.5757, 31.3609** is the 20% darker color. If you saturate the color by 10%, you get **49.9967, 68.4799, 54.7776**, and if you desaturate by 10%, it is **63.4231, 75.0299, 72.1886**.

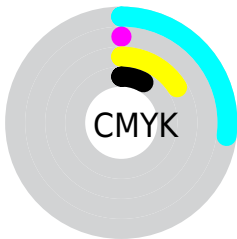
Distribution



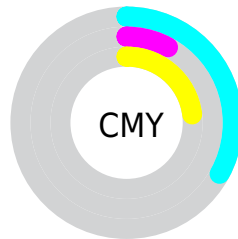
- Red (67%)
- Green (92%)
- Blue (77%)



- Red (67%)
- Yellow (85%)
- Blue (92%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (8%)





- Cyan (33%)
- Magenta (8%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1812, 71.4891, 63.0623 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 56.1812, 71.4891, 63.0623 by changing the saturation by 10% instead.


 56.1812, 71.4891,
63.0623

 56.1812, 71.4891,
63.0623


400.4380,
465.7614, 453.9097

 40.5858, 52.7414,
45.4503


 98.4077, 121.3299,
110.8458

 28.1818, 37.5964,
31.4667


125.7696,
153.1918, 141.8544

 18.6039, 25.6696,
20.6931


157.7843,
190.1939, 178.1656

 11.4867, 16.5766,
12.7108

194.8172,
232.7206, 220.1980

 6.4649, 9.9331,
7.1013

237.2336,
281.1563, 268.3700

 3.1731, 5.3546,
3.4461


285.3990,

 1.2460, 2.4568,


335.8854, 323.1003


1.3267

339.6787,
397.2923, 384.8074


 0.1422, 0.8549,
0.0835


 0.0000, 0.0000,
0.0000


 56.1812, 71.4891,
63.0623


 56.1812, 71.4891,
63.0623

 49.9967, 68.4799,
54.7776


 63.4231, 75.0299,
72.1886


 44.8121, 65.9671,
47.3056

 71.7646, 79.1178,
82.1748

 40.5729, 63.9252,
40.6228

 81.2528, 83.7783,
93.0446

 37.2170, 62.3228,
34.7023

 88.3081, 87.1659,
104.6498

■ 34.6745, 61.1242,
29.5161

■ 88.7142, 87.3284,
106.7881

■ 32.8637, 60.2881,
25.0339

■ 31.6812, 59.7616,
21.2230

■ 31.3936, 59.6361,
20.1787

Harmonies

Analogous

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



60.1843, 71.4891, 50.2974



56.1812, 71.4891, 63.0623



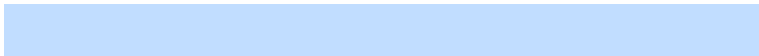
55.2304, 71.4891, 82.1397

Triad

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



56.1812, 71.4891, 63.0623



69.4336, 71.4891, 123.6692



79.6032, 71.4891, 56.9163

Complementary

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



56.1812, 71.4891, 63.0623



60.0056, 51.2233, 67.0490

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.



82.4824, 71.4891, 73.6920



56.1812, 71.4891, 63.0623



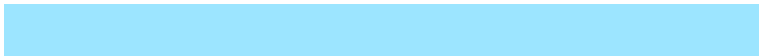
76.3528, 71.4891, 113.9521

Square

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



56.1812, 71.4891, 63.0623



62.5709, 71.4891, 119.4845



81.2533, 71.4891, 94.7616



73.6252, 71.4891, 47.2064

Rectangle

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



56.1812, 71.4891, 63.0623



56.3924, 71.4891, 96.4480



81.2533, 71.4891, 94.7616



80.9839, 71.4891, 61.7931

Sweetspot

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



56.1831, 71.4921, 63.0639



86.0206, 95.5668, 98.4651



63.3117, 75.4688, 49.7590



18.0701, 20.2876, 20.6722



0.0000, 0.0000, 0.0000



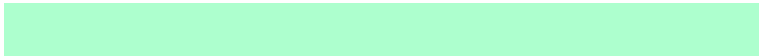
20.3446, 21.4041, 23.3091

Same Dimension

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



56.1831, 71.4921, 63.0639



64.1960, 84.8954, 71.2553



60.0366, 73.0335, 83.3558



15.1159, 16.9612, 17.2932



17.6986, 33.5339, 11.6439



1.4360, 2.6517, 1.1578

Inverse Universe

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



60.0056, 51.2233, 67.0490



69.5285, 56.6080, 76.8058



56.5678, 49.8482, 48.9452



15.4470, 15.2067, 17.6394



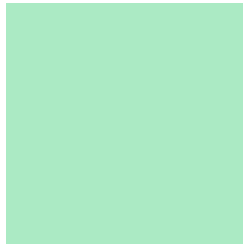
21.8393, 10.9384, 15.4869



1.7621, 0.8778, 1.4646

Previews

White Background



This preview shows how the XYZ color 56.1812, 71.4891, 63.0623 looks on a white background.

Color Contrast Check

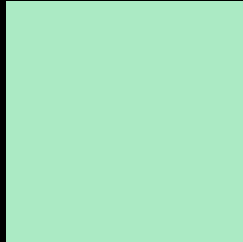
Large Text (above 18pt) WCAG AA × Fail

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 56.1812, 71.4891, 63.0623 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

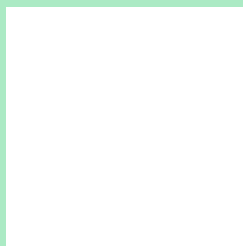
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.1812, 71.4891, 63.0623

Background



This preview shows how black text looks on a background with the XYZ color 56.1812, 71.4891, 63.0623.

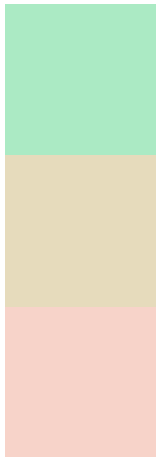


This preview shows how white text looks on a background with the XYZ color 56.1812, 71.4891, 63.0623.

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

56.1812, 71.4891, 63.0623

Protanopia

67.0417, 71.1169, 57.7704

Deuteranopia

72.1947, 70.5797, 65.0765



Tritanopia

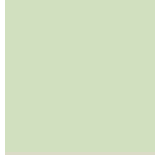
63.0066, 71.3545, 96.8382

Trichromacy



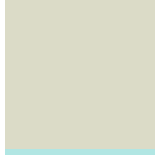
Original Color

56.1812, 71.4891, 63.0623



Protanomaly

62.3541, 70.6282, 59.6364



Deuteranomaly

64.8537, 69.8466, 64.0964



Tritanomaly

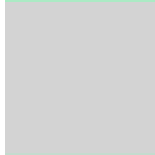
60.2934, 71.4868, 83.2936

Monochromacy



Original Color

56.1812, 71.4891, 63.0623



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.2370, 66.8550, 68.1747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1812, 71.4891, 63.0623 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(171, 234, 196)` looks like.

```
.text, #text, p{  
    color:rgb(171, 234, 196)  
}
```

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(171, 234, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 234, 196) }
```

Border

The CSS property to change the border of an element to XYZ 56.1812, 71.4891, 63.0623 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(171, 234, 196) }
```


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

```
.border{ border-color:rgb(171, 234, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 234, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 234, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 234, 196);  
box-shadow:4px 4px 4px 4px rgb(171, 234,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1812, 71.4891, 63.0623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 234, 196) }
```

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

```
.background{ background-color: rgb(171,  
234, 196) }
```

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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