

Converting Colors

XYZ(56.8762, 70.0265, 74.1503)

Have a look what the booklet for
XYZ(56.8762, 70.0265, 74.1503)
contains.

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Color

**XYZ(56.7966, 69.8837,
74.1137)**

Conversions

Conversions Part 1

Format	Color
Hex	A9E6D6
RGB	169, 230, 214
RGB Percent	66%, 90%, 84%
CMY	0.3372, 0.0980, 0.1608
CMYK	0.27, 0.00, 0.07, 0.10
HSL	164°, 55%, 78%
HSV	164°, 27%, 90%
XYZ	56.7966, 69.8837, 74.1137
YIQ	209.9370, -31.2200, -17.9080

Conversions

Conversions Part 2

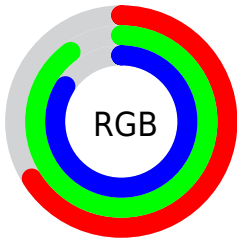
Format	Color
RYB	169, 204, 230
Decimal	11134678
CIELab	86.94, -22.56, 1.55
CIELCh	87, 22.615, 176.067
Yxy	69.8837, 0.2829, 0.3480
Android (android.graphics.Color)	4289324758 (0xFFA9E6D6)
YUV	209.9370, 2.0031, -35.9017
Hunter-Lab	83.5965, -25.0185, 5.9531

Details

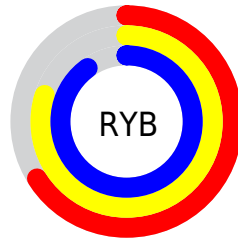
The XYZ color **56.7966, 69.8837, 74.1137** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.5805, 48.7036, 52.3732**, and the grayscale version is **61.2208, 64.4090, 70.1414**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **28.4643, 36.4201, 38.3305** is the 20% darker color. If you saturate the color by 10%, you get **51.5337, 67.2598, 69.9201**, and if you desaturate by 10%, it is **62.9600, 72.9722, 78.5014**.

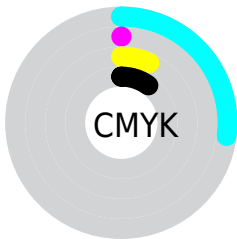
Distribution



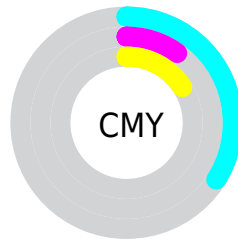
- Red (66%)
- Green (90%)
- Blue (84%)



- Red (66%)
- Yellow (80%)
- Blue (90%)



- Cyan (27%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)



- Cyan (34%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7966, 69.8837, 74.1137 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 56.7966, 69.8837, 74.1137 by changing the saturation by 10% instead.

■ 56.7966, 69.8837,
74.1137

■ 56.7966, 69.8837,
74.1137

402.7132,
460.1415, 494.0396

■ 41.0815, 51.4317,
54.3898

■ 99.3014, 119.0429,
126.7925

■ 28.5707, 36.5523,
38.5181

126.8218,
150.5189, 160.5844

■ 18.8989, 24.8611,
26.0801

159.0080,
187.1050, 199.9028

■ 11.7009, 15.9736,
16.6572

196.2253,
229.1857, 245.1661

■ 6.6111, 9.5055,
9.8311

238.8391,
277.1453, 296.7929

■ 3.2642, 5.0723,
5.1829


287.2148,

■ 1.2950, 2.2898,


331.3682, 355.2017


2.2944


341.7177,
392.2388, 420.8111

 0.1795, 0.7683,
0.7281


 0.0000, 0.0000,
0.0000


 56.7966, 69.8837,
74.1137

 56.7966, 69.8837,
74.1137


 51.5337, 67.2598,
69.9201


 62.9600, 72.9722,
78.5014


 47.1195, 65.0684,
65.9122


 70.0603, 76.5385,
83.0821


 43.5062, 63.2865,
62.0876


 78.1394, 80.6060,
87.8608


 40.6384, 61.8858,
58.4420


 84.9908, 84.0373,
92.7356


 38.4536, 60.8341,
54.9710


 85.8931, 84.3982,
97.4872

 36.8788, 60.0937,
51.6692

 86.8255, 84.7711,
102.3968

 35.8221, 59.6173,
48.5308

 87.5881, 85.0762,
106.4127

 35.5223, 59.4858,
47.4748

Harmonies

Analogous

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



58.3472, 69.8837, 60.9822



56.7966, 69.8837, 74.1137



57.7106, 69.8837, 89.6016

Triad

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



56.7966, 69.8837, 74.1137



70.9859, 69.8837, 105.3240



72.2546, 69.8837, 54.4201

Complementary

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



56.7966, 69.8837, 74.1137



55.5805, 48.7036, 52.3732

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.



75.9695, 69.8837, 64.0126



56.7966, 69.8837, 74.1137



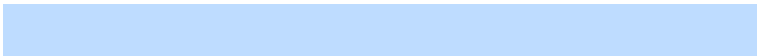
75.2102, 69.8837, 93.5106

Square

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



56.7966, 69.8837, 74.1137



65.7281, 69.8837, 108.9544



77.0785, 69.8837, 78.1041



67.1214, 69.8837, 50.6060

Rectangle

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



56.7966, 69.8837, 74.1137



59.6221, 69.8837, 99.0189



77.0785, 69.8837, 78.1041



73.7210, 69.8837, 57.0082

Sweetspot

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



56.7986, 69.8866, 74.1153



87.0892, 95.9942, 104.0923



55.5324, 69.8087, 48.0848



18.3394, 20.3953, 22.0904



0.0000, 0.0000, 0.0000



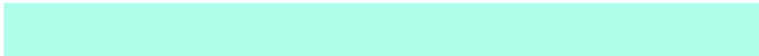
20.3446, 21.4041, 23.3091

Same Dimension

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



56.7986, 69.8866, 74.1153



67.8751, 86.3671, 90.6293



55.1434, 63.1430, 84.1477



14.6375, 16.2684, 17.6220



20.1626, 33.6971, 27.1544



1.5276, 2.5052, 2.2049

Inverse Universe

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



55.5805, 48.7036, 52.3732



66.0888, 55.2322, 58.6927



56.7785, 53.6529, 44.9008



14.5314, 14.4298, 15.7329



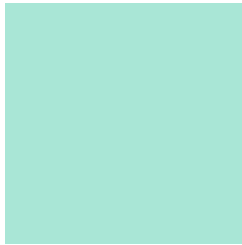
18.9846, 9.7281, 3.5481



1.4404, 0.7339, 0.4594

Previews

White Background



This preview shows how the XYZ color 56.7966, 69.8837, 74.1137 looks on a white background.

Color Contrast Check

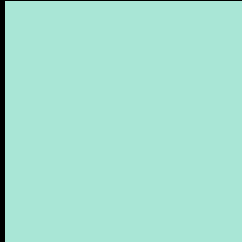
Large Text (above 18pt) WCAG AA × Fail

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 56.7966, 69.8837, 74.1137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

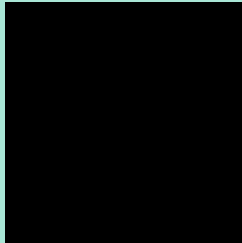
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

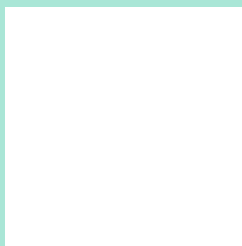
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7966, 69.8837, 74.1137

Background



This preview shows how black text looks on a background with the XYZ color 56.7966, 69.8837, 74.1137.

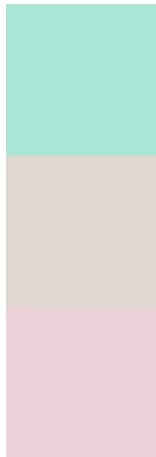


This preview shows how white text looks on a background with the XYZ color 56.7966, 69.8837,

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

56.7966, 69.8837, 74.1137

Protanopia

66.1279, 69.2559, 68.2749

Deuteranopia

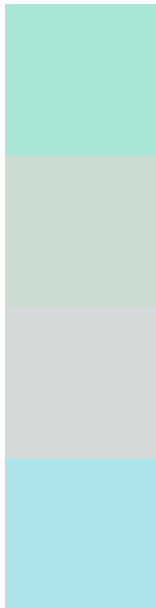
70.6265, 69.1597, 75.9564



Tritanopia

61.2047, 70.0383, 95.8809

Trichromacy



Original Color

56.7966, 69.8837, 74.1137

Protanomaly

61.9937, 69.0129, 70.3750

Deuteranomaly

64.4886, 68.6325, 75.4941

Tritanomaly

59.4106, 69.7056, 87.4140

Monochromacy



Original Color

56.7966, 69.8837, 74.1137

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.0764, 65.9310, 71.2403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7966, 69.8837, 74.1137 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(169, 230, 214)` looks like.

```
.text, #text, p{  
    color:rgb(169, 230, 214)  
}
```

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(169, 230, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 230, 214) }
```

Border

The CSS property to change the border of an element to XYZ 56.7966, 69.8837, 74.1137 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(169, 230, 214) }
```


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

```
.border{ border-color:rgb(169, 230, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 230, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 230, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 230, 214);  
box-shadow:4px 4px 4px 4px rgb(169, 230,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7966, 69.8837, 74.1137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 230, 214) }
```

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

```
.background{ background-color: rgb(169,  
230, 214) }
```

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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