

Converting Colors

XYZ(56.4182, 69.6069, 71.2617)

Have a look what the booklet for
XYZ(56.4182, 69.6069, 71.2617)
contains.

| | |
|--|----|
| XYZ(56.5072, 69.7928, 71.4659) | 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(56.5072, 69.7928,
71.4659)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | AAE6D2 |
| RGB | 170, 230, 210 |
| RGB Percent | 67%, 90%, 82% |
| CMY | 0.3333, 0.0980, 0.1765 |
| CMYK | 0.26, 0.00, 0.09, 0.10 |
| HSL | 160°, 55%, 78% |
| HSV | 160°, 26%, 90% |
| XYZ | 56.5072, 69.7928, 71.4659 |
| YIQ | 209.7800, -29.3400, -18.9400 |

Conversions

Conversions Part 2

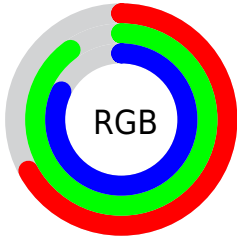
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 170, 206, 230 |
| Decimal | 11200210 |
| CIE Lab | 86.90, -23.09, 3.59 |
| CIE LCh | 87, 23.364, 171.149 |
| Yxy | 69.7928, 0.2857, 0.3529 |
| Android (android.graphics.Color) | 4289390290 (0xFFAAE6D2) |
| YUV | 209.7800, 0.1085, -34.8871 |
| Hunter-Lab | 83.5421, -25.4627, 7.7600 |

Details

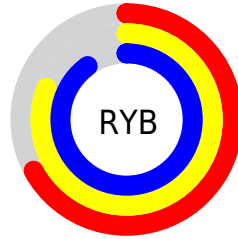
The XYZ color **56.5072, 69.7928, 71.4659** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.3045, 49.2919, 55.2647**, and the grayscale version is **61.1289, 64.3124, 70.0362**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **28.3393, 36.3854, 36.9819** is the 20% darker color. If you saturate the color by 10%, you get **51.0313, 67.0795, 66.3428**, and if you desaturate by 10%, it is **62.9027, 72.9786, 76.8740**.

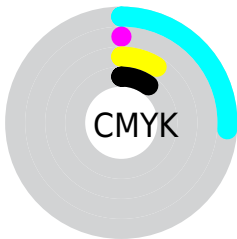
Distribution



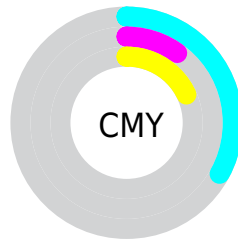
- Red (67%)
- Green (90%)
- Blue (82%)



- Red (67%)
- Yellow (81%)
- Blue (90%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)




- Cyan (33%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5072, 69.7928, 71.4659 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 56.5072, 69.7928, 71.4659 by changing the saturation by 10% instead.


 56.5072, 69.7928,
71.4659

 56.5072, 69.7928,
71.4659


401.6442,
459.8222, 484.6079

 40.8483, 51.3576,
52.2383


 98.8813, 118.9132,
122.9975

 28.3877, 36.4933,
36.8115


126.3272,
150.3673, 156.1387

 18.7601, 24.8154,
24.7670


158.4328,
186.9297, 194.7547

 11.6000, 15.9396,
15.6861


195.5635,
228.9850, 239.2642

 6.5422, 9.4814,
9.1503

238.0847,
276.9175, 290.0858

 3.2212, 5.0565,
4.7412

286.3616,

 1.2718, 2.2805,

331.1116, 347.6379

2.0402

340.7597,
391.9517, 412.3391

■ 0.1620, 0.7633,
0.5798

■ 0.0000, 0.0000,
0.0000

■ 56.5072, 69.7928,
71.4659

■ 56.5072, 69.7928,
71.4659

■ 51.0313, 67.0795,
66.3428

■ 62.9027, 72.9786,
76.8740

■ 46.4231, 64.8064,
61.4945

■ 70.2545, 76.6502,
82.5675

■ 42.6345, 62.9507,
56.9168

■ 78.6045, 80.8309,
88.5532

■ 39.6102, 61.4840,
52.6037

■ 85.3663, 84.1875,
94.7130

■ 37.2878, 60.3740,
48.5488

■ 86.5341, 84.6546,
100.8626

■ 35.5942, 59.5834,
44.7450

■ 87.5881, 85.0762,
106.4127

■ 34.4394, 59.0657,
41.1843

■ 34.0751, 58.9070,
39.8538

Harmonies

Analogous

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



58.5020, 69.7928, 58.6718



56.5072, 69.7928, 71.4659



57.0312, 69.7928, 87.3478

Triad

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



56.5072, 69.7928, 71.4659



70.1907, 69.7928, 107.5741



73.1319, 69.7928, 54.9267

Complementary

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



56.5072, 69.7928, 71.4659



56.3045, 49.2919, 55.2647

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.



76.6015, 69.7928, 65.6666



56.5072, 69.7928, 71.4659



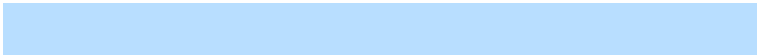
74.8398, 69.7928, 96.4250

Square

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



56.5072, 69.7928, 71.4659



64.7360, 69.7928, 109.6866



77.2431, 69.7928, 80.7063



67.9621, 69.7928, 50.0192

Rectangle

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



56.5072, 69.7928, 71.4659



58.7509, 69.7928, 97.5102



77.2431, 69.7928, 80.7063



74.5472, 69.7928, 57.8989

Sweetspot

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



56.5092, 69.7957, 71.4675



86.8632, 95.9038, 102.9023



57.0406, 70.5753, 48.6472



18.2823, 20.3725, 21.7896



0.0000, 0.0000, 0.0000



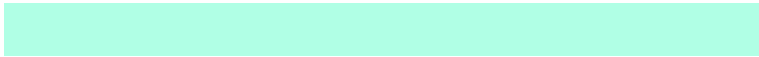
20.3446, 21.4041, 23.3091

Same Dimension

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



56.5092, 69.7957, 71.4675



67.7469, 86.3817, 86.9736



56.7191, 65.9748, 84.6113



14.5925, 16.2504, 17.3847



19.3495, 33.3719, 22.8725



1.4725, 2.4831, 1.9149

Inverse Universe

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



56.3045, 49.2919, 55.2647



67.4521, 56.5697, 63.4291



56.0111, 51.9673, 45.1098



14.5742, 14.4469, 15.9580



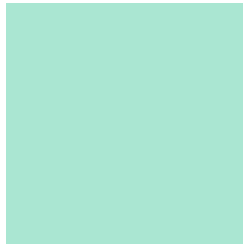
19.2776, 9.8453, 5.0911



1.4664, 0.7443, 0.5968

Previews

White Background



This preview shows how the XYZ color 56.5072, 69.7928, 71.4659 looks on a white background.

Color Contrast Check

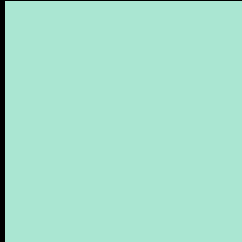
Large Text (above 18pt) WCAG AA × Fail

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 56.5072, 69.7928, 71.4659 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

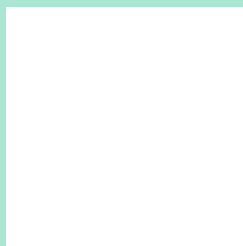
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.5072, 69.7928, 71.4659

Background



This preview shows how black text looks on a background with the XYZ color 56.5072, 69.7928, 71.4659.



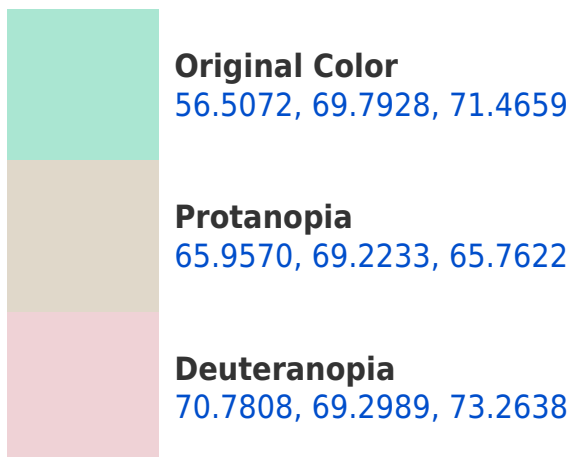
This preview shows how white text looks on a background with the XYZ color 56.5072, 69.7928,

71.4659.

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

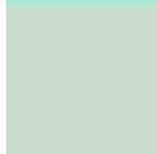
61.2343, 69.6686, 95.0140

Trichromacy



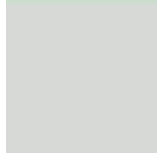
Original Color

56.5072, 69.7928, 71.4659



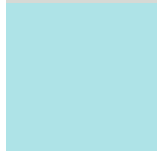
Protanomaly

61.7777, 68.9581, 67.8118



Deuteranomaly

64.5547, 68.7259, 72.8138



Tritanomaly

59.3484, 69.7064, 85.9280

Monochromacy



Original Color

56.5072, 69.7928, 71.4659



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

58.9514, 65.8810, 70.5820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5072, 69.7928, 71.4659 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, 230, 210)` looks like.

```
.text, #text, p{  
    color:rgb(170, 230, 210)  
}
```

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, 230, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 230, 210) }
```

Border

The CSS property to change the border of an element to XYZ 56.5072, 69.7928, 71.4659 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, 230, 210) }
```


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

```
.border{ border-color:rgb(170, 230, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 230, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 230, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 230, 210);  
box-shadow:4px 4px 4px 4px rgb(170, 230,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5072, 69.7928, 71.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 230, 210) }
```

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

```
.background{ background-color: rgb(170,  
230, 210) }
```

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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