

# Converting Colors

XYZ(56.6118, 71.8384, 70.7048)

Have a look what the booklet for  
XYZ(56.6118, 71.8384, 70.7048)  
contains.

<b>XYZ(56.6105, 71.9701, 70.5824)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(56.6105, 71.9701,  
70.5824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5EBD0
RGB	165, 235, 208
RGB Percent	65%, 92%, 82%
CMY	0.3529, 0.0784, 0.1843
CMYK	0.30, 0.00, 0.11, 0.08
HSL	157°, 64%, 78%
HSV	157°, 30%, 92%
XYZ	56.6105, 71.9701, 70.5824
YIQ	210.9920, -33.0530, -23.2370

# Conversions

## Conversions Part 2

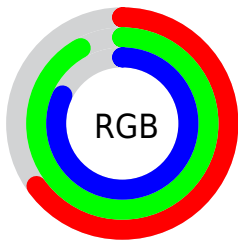
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">165, 208, 235</a>
Decimal	<a href="#">10873808</a>
<a href="#">CIELab</a>	<a href="#">87.95, -27.39, 6.14</a>
<a href="#">CIElCh</a>	<a href="#">88, 28.074, 167.367</a>
<a href="#">Yxy</a>	<a href="#">71.9701, 0.2842, 0.3614</a>
Android (android.graphics.Color)	<a href="#">4289063888</a> ( <a href="#">0xFFA5EBD0</a> )
<a href="#">YUV</a>	<a href="#">210.9920, -1.4751, -40.3350</a>
<a href="#">Hunter-Lab</a>	<a href="#">84.8352, -29.3486, 10.0557</a>

# Details

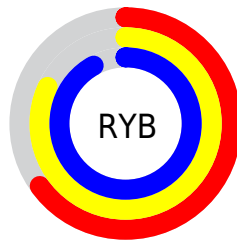
The XYZ color **56.6105, 71.9701, 70.5824** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.2330, 48.3799, 56.1938**, and the grayscale version is **61.9383, 65.1639, 70.9635**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **28.5084, 37.9528, 36.3949** is the 20% darker color. If you saturate the color by 10%, you get **51.0811, 69.2467, 64.6680**, and if you desaturate by 10%, it is **63.1058, 75.1879, 76.8779**.

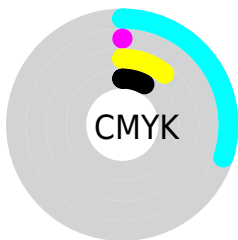
# Distribution



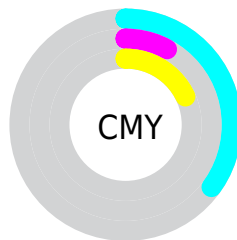
- Red (65%)
- Green (92%)
- Blue (82%)



- Red (65%)
- Yellow (82%)
- Blue (92%)



- Cyan (30%)
- Magenta (0%)
- Yellow (11%)
- Black (8%)




- Cyan (35%)
- Magenta (8%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6105, 71.9701, 70.5824 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 56.6105, 71.9701, 70.5824 by changing the saturation by 10% instead.





 56.6105, 71.9701,  
70.5824


 56.6105, 71.9701,  
70.5824


402.0260,  
467.4375, 481.4365

 40.9315, 53.1343,  
51.5217


 99.0313, 122.0140,  
121.7278

 28.4530, 37.9100,  
36.2444


 126.5038,  
153.9909, 154.6497

 18.8096, 25.9128,  
24.3318


158.6382,  
191.1169, 193.0290

 11.6360, 16.7584,  
15.3655

195.7998,  
233.7764, 237.2843

 6.5668, 10.0624,  
8.9268

238.3541,  
282.3538, 287.8342

 3.2366, 5.4404,  
4.5973


286.6663,

 1.2801, 2.5079,


337.2335, 345.0971


1.9584


341.1018,  
398.8000, 409.4918


 0.1682, 0.8806,  
0.5295

 0.0000, 0.0000,  
0.0000


 56.6105, 71.9701,  
70.5824


 56.6105, 71.9701,  
70.5824


 51.0811, 69.2467,  
64.6680


 63.1058, 75.1879,  
76.8779


 46.4612, 66.9831,  
59.1219

 70.6075, 78.9151,  
83.5572

 42.6979, 65.1539,  
53.9375

 79.1609, 83.1769,  
90.6291

 39.7298, 63.7276,  
49.1063

 87.3187, 87.2270,  
98.0311

■ 37.4870, 62.6684,  
44.6189

■ 88.7315, 87.7921,  
105.4710

■ 35.8867, 61.9337,  
40.4653

■ 88.9997, 87.8994,  
106.8832

■ 34.7918, 61.4529,  
36.6328

■ 34.7708, 61.4438,  
36.5548

# Harmonies

## Analogous

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



59.3753, 71.9701, 55.9751



56.6105, 71.9701, 70.5824



56.8531, 71.9701, 89.8764

# Triad

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



56.6105, 71.9701, 70.5824



72.3155, 71.9701, 119.0235



77.4887, 71.9701, 54.2741

# Complementary

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



56.6105, 71.9701, 70.5824



57.2330, 48.3799, 56.1938

# 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.



81.4253, 71.9701, 67.8778



56.6105, 71.9701, 70.5824



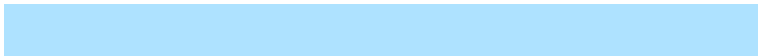
78.3076, 71.9701, 106.0431

# Square

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



56.6105, 71.9701, 70.5824



65.6317, 71.9701, 120.0667



81.7344, 71.9701, 86.6958



71.2562, 71.9701, 47.6435



# Rectangle

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



56.6105, 71.9701, 70.5824



58.6870, 71.9701, 102.9037



81.7344, 71.9701, 86.6958



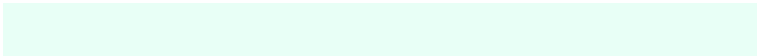
79.1415, 71.9701, 58.0718

# Sweetspot

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



56.6125, 71.9731, 70.5840



85.7121, 95.3470, 101.1936



58.4945, 73.4739, 46.6971



18.0439, 20.2579, 21.4007



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

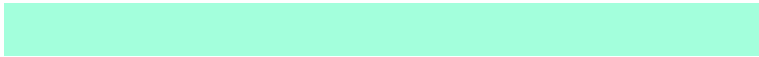


# Same Dimension

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



56.6125, 71.9731, 70.5840



63.7691, 84.4732, 80.3690



58.2581, 69.4872, 88.9427



15.2572, 17.0177, 18.0371



19.4150, 34.2204, 20.6820



1.5713, 2.7058, 1.8705



# Inverse Universe

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



57.2330, 48.3799, 56.1938



64.6364, 51.6309, 60.3554



55.8071, 49.8855, 42.2857



15.3060, 15.1502, 16.8965



20.1682, 10.2700, 6.6870

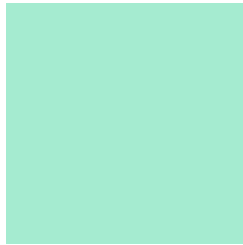


1.6295, 0.8248, 0.7662



# Previews

## White Background



This preview shows how the XYZ color 56.6105, 71.9701, 70.5824 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

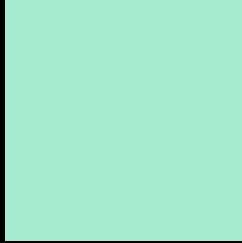
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6105, 71.9701, 70.5824 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

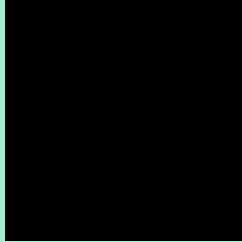
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.6105, 71.9701, 70.5824

## Background



This preview shows how black text looks on a background with the XYZ color 56.6105, 71.9701, 70.5824.



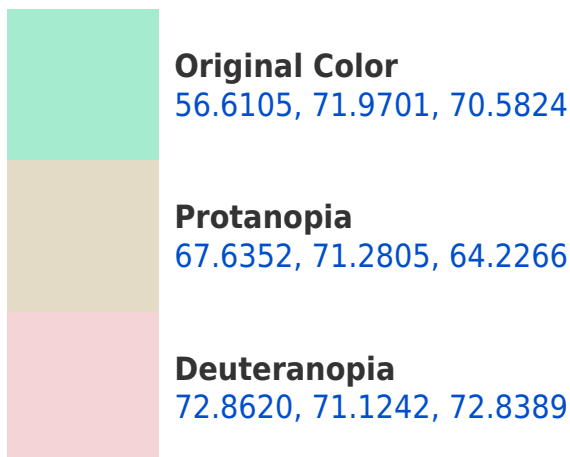
This preview shows how white text looks on a background with the XYZ color 56.6105, 71.9701,



# 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

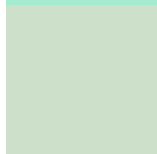
62.1962, 71.7002, 99.3684

# Trichromacy



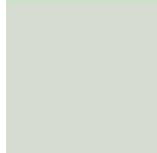
## Original Color

56.6105, 71.9701, 70.5824



## Protanomaly

62.7627, 71.0938, 66.2916



## Deuteranomaly

65.3754, 70.3366, 71.7587



## Tritanomaly

59.8615, 71.5811, 87.7523

# Monochromacy



## Original Color

56.6105, 71.9701, 70.5824



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.4742, 67.3089, 70.8301

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6105, 71.9701, 70.5824 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(165, 235, 208)` looks like.

```
.text, #text, p{  
    color:rgb(165, 235, 208)  
}
```

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(165, 235, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 235, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6105, 71.9701, 70.5824 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".

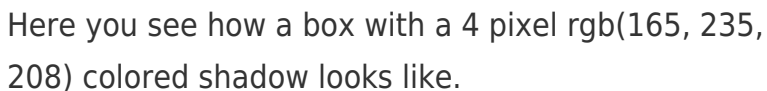
```
.border, #border, table{ border:4px solid rgb(165, 235, 208) }
```



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

```
.border{ border-color:rgb(165, 235, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 235, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 235, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 235, 208);  
box-shadow:4px 4px 4px 4px rgb(165, 235,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6105, 71.9701, 70.5824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 235, 208) }
```

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

```
.background{ background-color: rgb(165,  
235, 208) }
```

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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