

# Converting Colors

XYZ(55.8314, 67.9648, 78.7616)

Have a look what the booklet for  
XYZ(55.8314, 67.9648, 78.7616)  
contains.

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# Color

**XYZ(55.8301, 68.0511,  
78.5992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4E3DD
RGB	164, 227, 221
RGB Percent	64%, 89%, 87%
CMY	0.3569, 0.1098, 0.1333
CMYK	0.28, 0.00, 0.03, 0.11
HSL	174°, 53%, 77%
HSV	174°, 28%, 89%
XYZ	55.8301, 68.0511, 78.5992
YIQ	207.4790, -35.6220, -15.2220

# Conversions

## Conversions Part 2

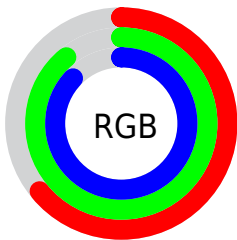
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 197, 227
Decimal	10806237
CIELab	86.03, -21.05, -3.49
CIELCh	86, 21.339, 189.424
Yxy	68.0511, 0.2757, 0.3361
Android (android.graphics.Color)	4288996317 (0xFFA4E3DD)
YUV	207.4790, 6.6659, -38.1311
Hunter-Lab	82.4931, -23.5568, 1.2538

# Details

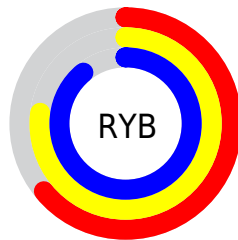
The XYZ color **55.8301, 68.0511, 78.5992** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.2121, 45.7861, 44.1188**, and the grayscale version is **59.5935, 62.6970, 68.2770**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **27.8763, 35.1940, 41.4003** is the 20% darker color. If you saturate the color by 10%, you get **51.2712, 65.7357, 76.8925**, and if you desaturate by 10%, it is **61.2328, 70.8045, 80.3676**.

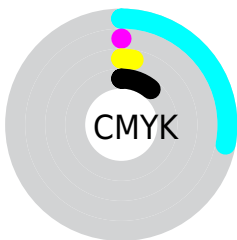
# Distribution



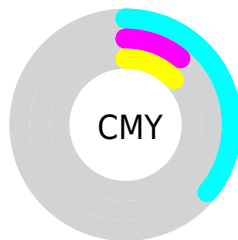
- Red (64%)
- Green (89%)
- Blue (87%)



- Red (64%)
- Yellow (77%)
- Blue (89%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (36%)
- Magenta (11%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8301, 68.0511, 78.5992 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 55.8301, 68.0511, 78.5992 by changing the saturation by 10% instead.





 55.8301, 68.0511,  
78.5992


 55.8301, 68.0511,  
78.5992


399.1363,  
453.6770, 509.7811

 40.3032, 49.9393,  
58.0470


 97.8974, 116.4252,  
133.1880

 27.9603, 35.3652,  
41.4315


 125.1684,  
147.4564, 168.0617

 18.4360, 23.9443,  
28.3341


157.0849,  
183.5628, 208.5462

 11.3651, 15.2923,  
18.3365

194.0122,  
225.1288, 255.0602

 6.3820, 9.0248,  
11.0199

236.3157,  
272.5388, 308.0221

 3.1216, 4.7574,  
5.9659

284.3606,

 1.2184, 2.1056,

326.1773, 367.8506

2.7559

338.5123,  
386.4286, 434.9641

■ 0.1208, 0.6678,  
0.9714

■ 0.0000, 0.0000,  
0.0000

■ 55.8301, 68.0511,  
78.5992

■ 55.8301, 68.0511,  
78.5992

■ 51.2712, 65.7357,  
76.8925

■ 61.2328, 70.8045,  
80.3676

■ 47.5058, 63.8272,  
75.2409

■ 67.5145, 74.0089,  
82.1952

■ 44.4870, 62.3032,  
73.6434

■ 74.7157, 77.6869,  
84.0854

■ 42.1611, 61.1360,  
72.0975

■ 82.8727, 81.8572,  
86.0398

40.4667, 60.2939,  
70.6002

83.2496, 82.0162,  
87.6499

39.3319, 59.7398,  
69.1482

83.5585, 82.1398,  
89.2764

38.6578, 59.4229,  
67.7367

83.8711, 82.2648,  
90.9230

38.5351, 59.3664,  
67.4235

84.1876, 82.3914,  
92.5896

84.5079, 82.5196,  
94.2763

# Harmonies

## Analogous

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



56.2605, 68.0511, 65.0178



55.8301, 68.0511, 78.5992



57.6769, 68.0511, 92.5723

# Triad

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



55.8301, 68.0511, 78.5992



70.8456, 68.0511, 96.9375



68.0462, 68.0511, 51.6107

# Complementary

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



55.8301, 68.0511, 78.5992



52.2121, 45.7861, 44.1188

# 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.



72.2293, 68.0511, 58.2579



55.8301, 68.0511, 78.5992



73.9013, 68.0511, 83.9824

# Square

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



55.8301, 68.0511, 78.5992



66.2343, 68.0511, 104.0060



74.4201, 68.0511, 69.7683



63.1512, 68.0511, 50.5523

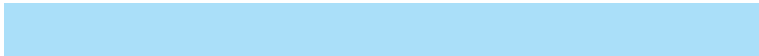


# Rectangle

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



55.8301, 68.0511, 78.5992



60.0085, 68.0511, 99.8194



74.4201, 68.0511, 69.7683



69.5890, 68.0511, 53.2216

# Sweetspot

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



55.8321, 68.0539, 78.6008



87.6276, 96.2096, 106.9274



50.8145, 66.2008, 45.2232



18.4758, 20.4499, 22.8087



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

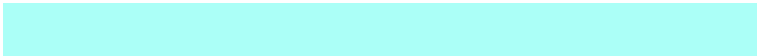


# Same Dimension

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



55.8321, 68.0539, 78.6008



69.3077, 86.8754, 101.0971



50.2507, 55.5881, 80.7572



14.7451, 16.3115, 18.1886



22.4966, 34.6308, 39.4452



1.6797, 2.5660, 3.0061



# Inverse Universe

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



52.2121, 45.7861, 44.1188



63.8979, 53.5785, 49.5516



56.6224, 55.4948, 42.8507



14.4325, 14.3902, 15.2119



18.5763, 9.5647, 1.3977

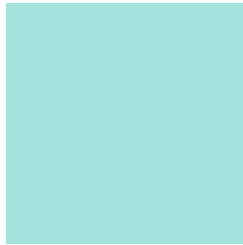


1.3919, 0.7145, 0.2041



# Previews

## White Background



This preview shows how the XYZ color 55.8301, 68.0511, 78.5992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

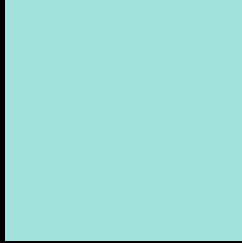
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8301, 68.0511, 78.5992 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

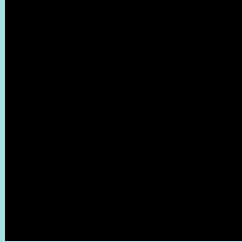
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

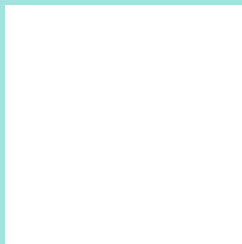
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 55.8301, 68.0511, 78.5992

## Background



This preview shows how black text looks on a background with the XYZ color 55.8301, 68.0511, 78.5992.



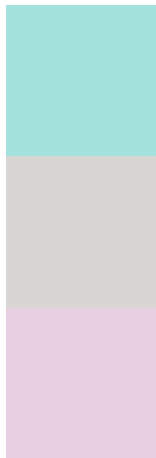
This preview shows how white text looks on a background with the XYZ color 55.8301, 68.0511,



# 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

55.8301, 68.0511, 78.5992

### Protanopia

64.7179, 67.2980, 72.5296

### Deuteranopia

68.7796, 67.3710, 80.6130



## Tritanopia

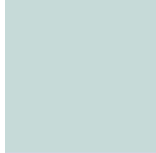
59.0449, 68.1571, 94.0480

# Trichromacy



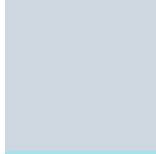
## Original Color

55.8301, 68.0511, 78.5992



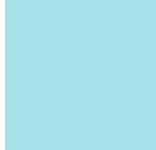
## Protanomaly

60.7548, 67.1064, 74.7165



## Deuteranomaly

63.2086, 67.1045, 80.1420



## Tritanomaly

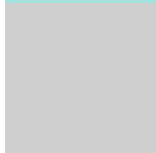
57.7128, 68.0064, 87.9267

# Monochromacy



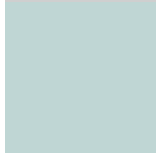
## Original Color

55.8301, 68.0511, 78.5992



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

57.4161, 63.9230, 71.5996

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8301, 68.0511, 78.5992 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(164, 227, 221)` looks like.

```
.text, #text, p{  
    color:rgb(164, 227, 221)  
}
```

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(164, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 227, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8301, 68.0511, 78.5992 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(164, 227, 221) }
```



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

```
.border{ border-color:rgb(164, 227, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 227, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 227, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 227, 221);  
box-shadow:4px 4px 4px 4px rgb(164, 227,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8301, 68.0511, 78.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 227, 221) }
```

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

```
.background{ background-color: rgb(164,  
227, 221) }
```

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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