

# Converting Colors

XYZ(57.8545, 72.4832, 83.5019)

Have a look what the booklet for  
XYZ(57.8545, 72.4832, 83.5019)  
contains.

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# Color

**XYZ(57.6740, 72.2318,  
83.5754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EEBE3
RGB	158, 235, 227
RGB Percent	62%, 92%, 89%
CMY	0.3804, 0.0784, 0.1098
CMYK	0.33, 0.00, 0.03, 0.08
HSL	174°, 66%, 77%
HSV	174°, 33%, 92%
XYZ	57.6740, 72.2318, 83.5754
YIQ	211.0650, -43.3240, -18.8120

# Conversions

## Conversions Part 2

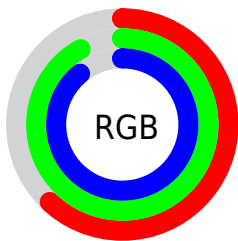
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 199, 235
Decimal	10415075
CIE Lab	88.08, -25.32, -3.67
CIE LCh	88, 25.584, 188.252
Yxy	72.2318, 0.2702, 0.3384
Android (android.graphics.Color)	4288605155 (0xFF9EEBE3)
YUV	211.0650, 7.8560, -46.5380
Hunter-Lab	84.9893, -27.6006, 1.1889

# Details

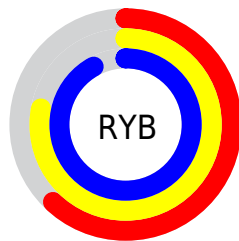
The XYZ color **57.6740, 72.2318, 83.5754** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.3732, 44.8711, 41.9271**, and the grayscale version is **61.9317, 65.1570, 70.9560**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **29.1600, 38.1023, 44.8473** is the 20% darker color. If you saturate the color by 10%, you get **53.1519, 69.9411, 81.6179**, and if you desaturate by 10%, it is **63.0889, 74.9859, 85.6028**.

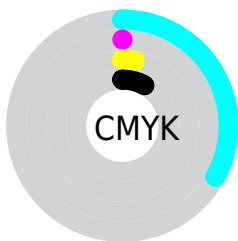
# Distribution



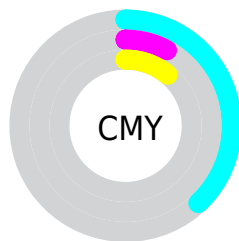
- Red (62%)
- Green (92%)
- Blue (89%)



- Red (62%)
- Yellow (78%)
- Blue (92%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)




- Cyan (38%)
- Magenta (8%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6740, 72.2318, 83.5754 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 57.6740, 72.2318, 83.5754 by changing the saturation by 10% instead.





 57.6740, 72.2318,  
83.5754


 57.6740, 72.2318,  
83.5754


405.9436,  
468.3480, 526.9233

 41.7889, 53.3481,  
62.1216


 100.5737,  
122.3860, 140.2375

 29.1264, 38.0807,  
44.6945


 128.3189,  
154.4253, 176.2829

 19.3212, 26.0453,  
30.8757


160.7482,  
191.6185, 218.0291

 12.0080, 16.8575,  
20.2465

198.2270,  
234.3501, 265.8949

 6.8214, 10.1330,  
12.3885

241.1206,  
283.0045, 320.2986

 3.3960, 5.4872,  
6.8831

289.7943,

 1.3665, 2.5359,

337.9660, 381.6589

3.3118

344.6135,  
399.6190, 450.3943

■ 0.2321, 0.8945,  
1.2559

■ 0.0000, 0.0000,  
0.0253

■ 57.6740, 72.2318,  
83.5754

■ 57.6740, 72.2318,  
83.5754

■ 53.1519, 69.9411,  
81.6179

■ 63.0889, 74.9859,  
85.6028

■ 49.4659, 68.0790,  
79.7228


■ 69.4369, 78.2186,  
87.6973


■ 46.5623, 66.6197,  
77.8891


■ 76.7633, 81.9552,  
89.8629


■ 44.3786, 65.5310,  
76.1138

■ 85.1089, 86.2166,  
92.1013


 42.8430, 64.7758,  
74.3933


 86.5611, 86.9238,  
94.0426

 41.8683, 64.3093,  
72.7235

 86.9249, 87.0693,  
95.9584

 41.4149, 64.1013,  
71.5426

 87.2936, 87.2168,  
97.8999

 87.6673, 87.3662,  
99.8674

 88.0458, 87.5176,  
101.8608

# Harmonies

## Analogous

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



58.3124, 72.2318, 66.8311



57.6740, 72.2318, 83.5754



59.8374, 72.2318, 101.3663

# Triad

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



57.6740, 72.2318, 83.5754



76.1857, 72.2318, 108.1319



73.0988, 72.2318, 51.3591

# Complementary

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



57.6740, 72.2318, 83.5754



53.3732, 44.8711, 41.9271

# 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.



78.2971, 72.2318, 59.6064



57.6740, 72.2318, 83.5754



80.1516, 72.2318, 91.7821

# Square

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



57.6740, 72.2318, 83.5754



70.3537, 72.2318, 116.8557



80.9463, 72.2318, 73.9185



66.9822, 72.2318, 49.8344

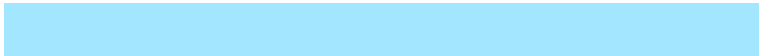


# Rectangle

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



57.6740, 72.2318, 83.5754



62.6574, 72.2318, 110.8609



80.9463, 72.2318, 73.9185



75.0218, 72.2318, 53.3712

# Sweetspot

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



57.6761, 72.2347, 83.5771



85.8591, 95.3109, 106.2579



51.8149, 70.1019, 43.1493



18.1218, 20.2701, 22.6656



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.



57.6761, 72.2347, 83.5771



65.8136, 85.1152, 99.0778



51.0452, 57.1639, 86.9439



15.4463, 17.0933, 19.0329



23.0764, 35.6850, 39.9630



1.8315, 2.8099, 3.2405



# Inverse Universe

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



53.3732, 44.8711, 41.9271



59.9256, 47.6352, 42.0576



58.3151, 55.8934, 40.0641



15.1291, 15.0795, 15.9651



19.1838, 9.8762, 1.5031



1.5278, 0.7841, 0.2306



# Previews

## White Background



This preview shows how the XYZ color 57.6740, 72.2318, 83.5754 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

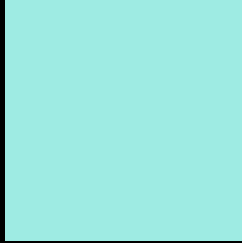
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6740, 72.2318, 83.5754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

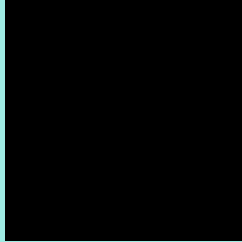
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

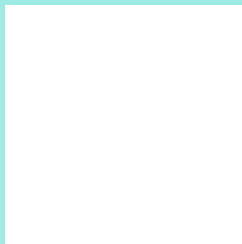
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 57.6740, 72.2318, 83.5754

## Background



This preview shows how black text looks on a background with the XYZ color 57.6740, 72.2318, 83.5754.



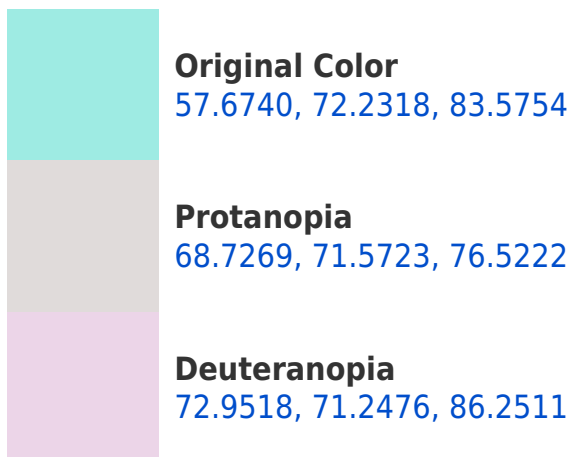
This preview shows how white text looks on a background with the XYZ color 57.6740, 72.2318,



# 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

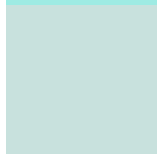
61.2162, 72.4019, 101.1910

# Trichromacy



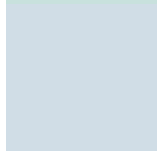
## Original Color

57.6740, 72.2318, 83.5754



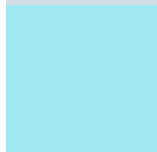
## Protanomaly

63.7958, 71.3502, 78.8162



## Deuteranomaly

66.1518, 70.8360, 85.0490



## Tritanomaly

59.8639, 72.2657, 94.7979

# Monochromacy



## Original Color

57.6740, 72.2318, 83.5754



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.8558, 67.4026, 75.5009

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6740, 72.2318, 83.5754 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(158, 235, 227)` looks like.

```
.text, #text, p{  
    color:rgb(158, 235, 227)  
}
```

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(158, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 235, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6740, 72.2318, 83.5754 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(158, 235, 227) }
```



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

```
.border{ border-color:rgb(158, 235, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 235, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 235, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 235, 227);  
box-shadow:4px 4px 4px 4px rgb(158, 235,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6740, 72.2318, 83.5754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 235, 227) }
```

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

```
.background{ background-color: rgb(158,  
235, 227) }
```

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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