

# Converting Colors

XYZ(58.6436, 67.6442, 88.0449)

Have a look what the booklet for  
XYZ(58.6436, 67.6442, 88.0449)  
contains.

<b>XYZ(58.6945, 67.7145, 87.8186)</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(58.6945, 67.7145,  
87.8186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEDFEA
RGB	174, 223, 234
RGB Percent	68%, 87%, 92%
CMY	0.3176, 0.1255, 0.0823
CMYK	0.26, 0.05, 0.00, 0.08
HSL	191°, 59%, 80%
HSV	191°, 26%, 92%
XYZ	58.6945, 67.7145, 87.8186
YIQ	209.6030, -32.7350, -6.9670

# Conversions

## Conversions Part 2

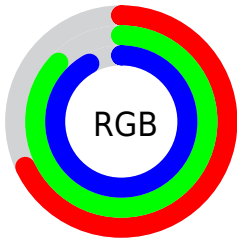
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 201, 234
Decimal	11460586
CIELab	85.86, -13.28, -10.54
CIELCh	86, 16.957, 218.437
Yxy	67.7145, 0.2740, 0.3161
Android (android.graphics.Color)	4289650666 (0xFFAEDFEA)
YUV	209.6030, 12.0277, -31.2238
Hunter-Lab	82.2888, -16.6860, -5.6721

# Details

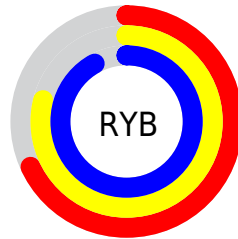
The XYZ color **58.6945, 67.7145, 87.8186** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.9214, 55.2468, 47.6041**, and the grayscale version is **60.9390, 64.1126, 69.8186**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **29.7842, 35.2127, 47.3464** is the 20% darker color. If you saturate the color by 10%, you get **52.7977, 62.9965, 87.2199**, and if you desaturate by 10%, it is **65.5325, 72.9642, 88.4726**.

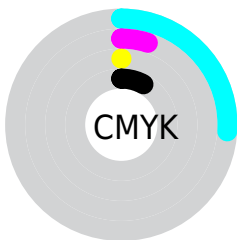
# Distribution



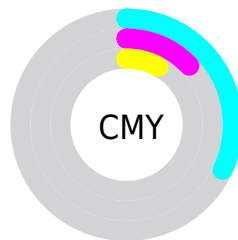
- Red (68%)
- Green (87%)
- Blue (92%)



- Red (68%)
- Yellow (79%)
- Blue (92%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)



- Cyan (32%)
- Magenta (13%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6945, 67.7145, 87.8186 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 58.6945, 67.7145, 87.8186 by changing the saturation by 10% instead.



■ 58.6945, 67.7145,  
87.8186

■ 58.6945, 67.7145,  
87.8186

409.6811,  
452.4838, 541.2949

■ 42.6127, 49.6655,  
65.6094

■ 102.0507,  
115.9436, 146.2135

■ 29.7745, 35.1477,  
47.5009

130.0558,  
146.8925, 183.2362

■ 19.8147, 23.7767,  
33.0746

162.7659,  
182.9102, 226.0339

■ 12.3679, 15.1680,  
21.9120

200.5466,  
224.3810, 275.0250

■ 7.0687, 8.9374,  
13.5946

243.7631,  
271.6894, 330.6282

■ 3.5518, 4.7004,  
7.7037

292.7808,

■ 1.4519, 2.0726,

325.2197, 393.2618

3.8209

347.9650,  
385.3564, 463.3446

■ 0.2927, 0.6491,  
1.5276

■ 0.0000, 0.0000,  
0.2384

■ 58.6945, 67.7145,  
87.8186

■ 58.6945, 67.7145,  
87.8186

■ 52.7977, 62.9965,  
87.2199

■ 65.5325, 72.9642,  
88.4726

■ 47.7887, 58.7773,  
86.6695

■ 73.3496, 78.7603,  
89.1794

■ 43.6180, 55.0328,  
86.1665

■ 82.1888, 85.1270,  
89.9424

■ 40.2286, 51.7331,  
85.7083

■ 87.2989, 89.6153,  
90.5394

■ 37.5562, 48.8449,  
85.2916

■ 88.5776, 92.1728,  
90.9656

■ 35.5257, 46.3292,  
84.9131

■ 89.8864, 94.7905,  
91.4019

■ 34.0449, 44.1379,  
84.5682

■ 91.2255, 97.4686,  
91.8483

■ 33.5065, 43.2506,  
84.4253

■ 91.8515, 98.7206,  
92.0569

# Harmonies

## Analogous

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



57.2625, 67.7145, 76.9076



58.6945, 67.7145, 87.8186



61.6587, 67.7145, 95.4281

# Triad

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



58.6945, 67.7145, 87.8186



71.5478, 67.7145, 81.8604



63.2727, 67.7145, 54.5578

# Complementary

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



58.6945, 67.7145, 87.8186



58.9214, 55.2468, 47.6041

# 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.



67.1403, 67.7145, 55.5980



58.6945, 67.7145, 87.8186



72.0223, 67.7145, 70.6403

# Square

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



58.6945, 67.7145, 87.8186



69.1085, 67.7145, 91.7549



70.3801, 67.7145, 61.2343



59.8353, 67.7145, 58.2346



# Rectangle

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



58.6945, 67.7145, 87.8186



64.1574, 67.7145, 97.2047



70.3801, 67.7145, 61.2343



64.5642, 67.7145, 54.3754

# Sweetspot

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



58.6965, 67.7172, 87.8201



86.7577, 93.9716, 108.1735



55.5315, 71.3063, 56.1855



18.2551, 19.8818, 23.1254



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

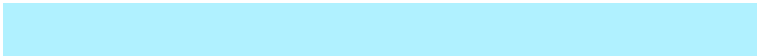


# Same Dimension

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



58.6965, 67.7172, 87.8201



67.2539, 79.0656, 106.3243



51.6000, 53.5242, 85.4546



15.2693, 16.6250, 19.3264



18.9144, 24.4757, 47.4704



1.5462, 2.0438, 3.7479



# Inverse Universe

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



62.3886, 53.0938, 76.7750



72.5597, 58.6127, 90.3256



65.6195, 68.6429, 49.8368



15.5895, 15.2636, 18.3895



24.4024, 11.9636, 28.9841

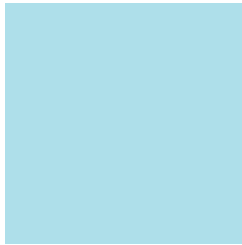


1.9469, 0.9517, 2.4379



# Previews

## White Background



This preview shows how the XYZ color 58.6945, 67.7145, 87.8186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

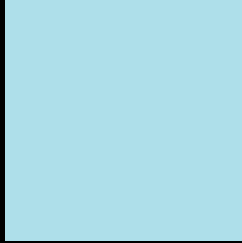
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.6945, 67.7145, 87.8186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

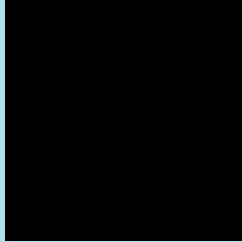
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.6945, 67.7145, 87.8186

## Background



This preview shows how black text looks on a background with the XYZ color 58.6945, 67.7145, 87.8186.



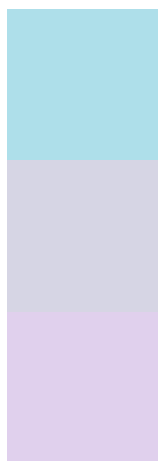
This preview shows how white text looks on a background with the XYZ color 58.6945, 67.7145,



# 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

58.6945, 67.7145, 87.8186

### Protanopia

65.5294, 67.4861, 82.9711

### Deuteranopia

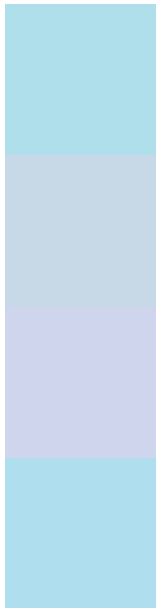
68.5824, 67.0735, 89.4526



## Tritanopia

59.5286, 67.6478, 92.3579

# Trichromacy



**Original Color**

58.6945, 67.7145, 87.8186

**Protanomaly**

62.6490, 67.4810, 84.5861

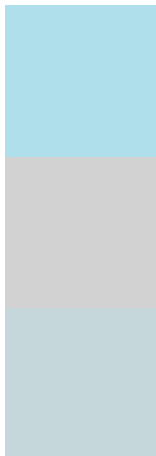
**Deuteranomaly**

64.3882, 66.7664, 88.8505

**Tritanomaly**

59.2331, 67.5296, 90.8015

# Monochromacy



**Original Color**

58.6945, 67.7145, 87.8186

**Achromatopsia**

61.2578, 64.4480, 70.1838

**Achromatomaly**

60.1126, 65.5857, 76.5089

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6945, 67.7145, 87.8186 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(174, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(174, 223, 234)  
}
```

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(174, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 223, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6945, 67.7145, 87.8186 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(174, 223, 234) }
```



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

```
.border{ border-color:rgb(174, 223, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 223, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 223, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 223, 234);  
box-shadow:4px 4px 4px 4px rgb(174, 223,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6945, 67.7145, 87.8186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 223, 234) }
```

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

```
.background{ background-color: rgb(174,  
223, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor