

Converting Colors

XYZ(67.7815, 77.8398, 89.5688)

Have a look what the booklet for
XYZ(67.7815, 77.8398, 89.5688)
contains.

XYZ(67.6117, 77.6672, 89.2697)	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(67.6117, 77.6672,
89.2697)**

Conversions

Conversions Part 1

Format	Color
Hex	C4ECEA
RGB	196, 236, 234
RGB Percent	77%, 93%, 92%
CMY	0.2314, 0.0745, 0.0823
CMYK	0.17, 0.00, 0.01, 0.07
HSL	177°, 51%, 85%
HSV	177°, 17%, 93%
XYZ	67.6117, 77.6672, 89.2697
YIQ	223.8120, -23.1980, -9.1020

Conversions

Conversions Part 2

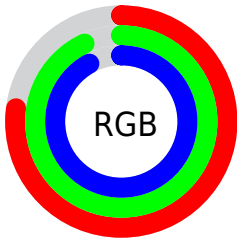
Format	Color
RYB	196, 217, 236
Decimal	12905706
CIELab	90.63, -13.26, -3.35
CIELCh	91, 13.680, 194.162
Yxy	77.6672, 0.2883, 0.3311
Android (android.graphics.Color)	4291095786 (0xFFC4ECEA)
YUV	223.8120, 5.0227, -24.3911
Hunter-Lab	88.1290, -17.2823, 1.6329

Details

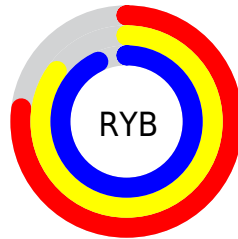
The XYZ color **67.6117, 77.6672, 89.2697** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5278, 61.3921, 61.8783**, and the grayscale version is **70.6963, 74.3780, 80.9976**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **35.5125, 41.6077, 48.2789** is the 20% darker color. If you saturate the color by 10%, you get **61.7807, 74.6828, 88.1150**, and if you desaturate by 10%, it is **74.4139, 81.1562, 90.4791**.

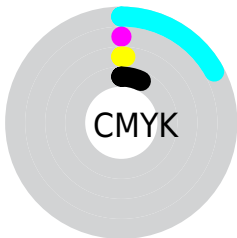
Distribution



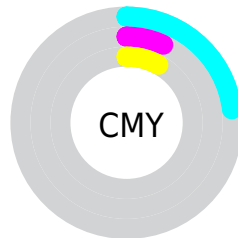
- Red (77%)
- Green (93%)
- Blue (92%)



- Red (77%)
- Yellow (85%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (23%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6117, 77.6672, 89.2697 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 67.6117, 77.6672, 89.2697 by changing the saturation by 10% instead.

67.6117, 77.6672,
89.2697

67.6117, 77.6672,
89.2697

441.5173,
487.0359, 546.1610

49.8544, 57.8006,
66.8048

114.8414,
130.0809, 148.2502

35.5151, 41.6484,
48.4654

145.0446,
163.3968, 185.6029

24.2283, 28.8261,
33.8330

180.1271,
201.9646, 228.7552

15.6287, 18.9493,
22.4890

220.4544,
246.1687, 278.1258

9.3510, 11.6336,
14.0149

266.3916,
296.3934, 334.1331

5.0297, 6.4947,
7.9922

318.3043,

2.2997, 3.1482,

353.0233, 397.1957

4.0022

376.5578,
416.4426, 467.7322

■ 0.7945, 1.2096,
1.6266

■ 0.0000, 0.0695,
0.3097

■ 67.6117, 77.6672,
89.2697

■ 67.6117, 77.6672,
89.2697

■ 61.7807, 74.6828,
88.1150

■ 74.4139, 81.1562,
90.4791

■ 56.8692, 72.1703,
87.0076


■ 82.2227, 85.1620,
91.7398


■ 52.8308, 70.1077,
85.9469


■ 86.6030, 87.4002,
92.8460


■ 49.6124, 68.4677,
84.9305


■ 86.7768, 87.4697,
93.7613


 47.1552, 67.2200,
83.9556


 86.9518, 87.5397,
94.6827


 45.3925, 66.3302,
83.0190

 87.1279, 87.6101,
95.6100


 44.2462, 65.7580,
82.1172

 87.3052, 87.6810,
96.5434

 43.6158, 65.4517,
81.2453

 87.4836, 87.7524,
97.4828

 43.4767, 65.3857,
80.9830

 87.6631, 87.8242,
98.4283

Harmonies

Analogous

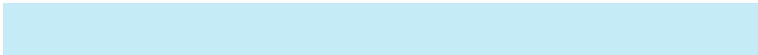
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6588, 77.6672, 79.5181



67.6117, 77.6672, 89.2697



69.1919, 77.6672, 98.4120

Triad

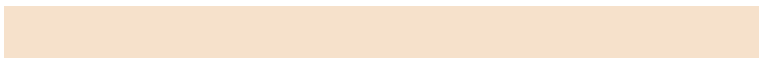
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.6117, 77.6672, 89.2697



78.5086, 77.6672, 98.8447



75.6340, 77.6672, 67.6741

Complementary

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



67.6117, 77.6672, 89.2697



64.5278, 61.3921, 61.8783

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.



78.6507, 77.6672, 72.0843



67.6117, 77.6672, 89.2697



80.3451, 77.6672, 89.8239

Square

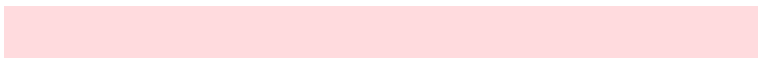
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6117, 77.6672, 89.2697



75.4448, 77.6672, 104.2230



80.3979, 77.6672, 80.0312



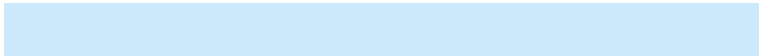
72.2193, 77.6672, 67.5510

Rectangle

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



67.6117, 77.6672, 89.2697



70.9846, 77.6672, 102.7204



80.3979, 77.6672, 80.0312



76.7306, 77.6672, 68.6881

Sweetspot

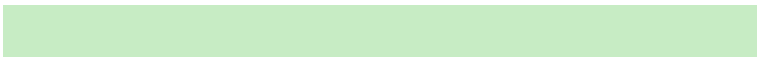
The Sweet Spot groups the original color and five complimentary colors.



67.6139, 77.6704, 89.2714



90.4112, 97.6205, 108.1472



63.4264, 76.0763, 63.5672



19.2174, 20.8259, 23.1256



0.0000, 0.0000, 0.0000



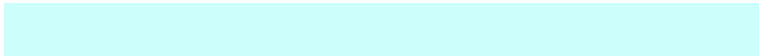
20.3446, 21.4041, 23.3091

Same Dimension

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



67.6139, 77.6704, 89.2714



78.3033, 91.4140, 105.9842



63.1522, 68.2837, 89.2122



15.4832, 17.1081, 19.2273



23.9789, 36.0460, 44.7152



1.8930, 2.8345, 3.5641

Inverse Universe

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



64.5278, 61.3921, 61.8783



74.0409, 68.9289, 68.1482



68.4368, 69.5774, 62.0487



15.0960, 15.0663, 15.7911



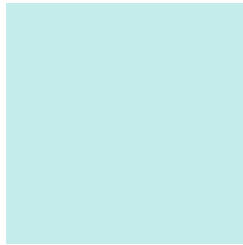
19.1175, 9.8497, 1.1539



1.5120, 0.7778, 0.1474

Previews

White Background



This preview shows how the XYZ color 67.6117, 77.6672, 89.2697 looks on a white background.

Color Contrast Check

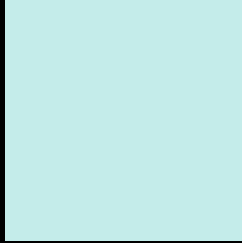
Large Text (above 18pt) WCAG AA × Fail

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 67.6117, 77.6672, 89.2697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

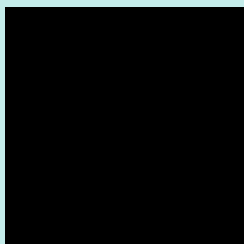
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

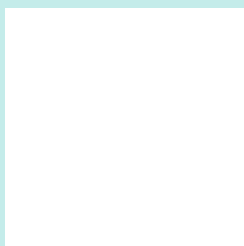
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6117, 77.6672, 89.2697

Background



This preview shows how black text looks on a background with the XYZ color 67.6117, 77.6672, 89.2697.

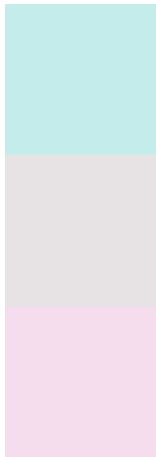


This preview shows how white text looks on a background with the XYZ color 67.6117, 77.6672,

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

67.6117, 77.6672, 89.2697

Protanopia

74.1549, 76.9831, 84.3496

Deuteranopia

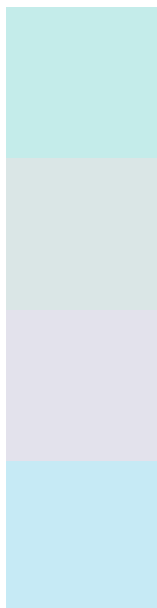
78.7987, 77.2398, 90.8764



Tritanopia

70.2628, 77.4482, 103.3412

Trichromacy



Original Color

67.6117, 77.6672, 89.2697

Protanomaly

71.4932, 77.2122, 85.9983

Deuteranomaly

74.0152, 76.7797, 90.2758

Tritanomaly

69.1930, 77.4440, 97.6875

Monochromacy



Original Color

67.6117, 77.6672, 89.2697

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.4785, 75.3844, 84.2875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6117, 77.6672, 89.2697 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(196, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(196, 236, 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(196, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 236, 234) }
```

Border

The CSS property to change the border of an element to XYZ 67.6117, 77.6672, 89.2697 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(196, 236, 234) }
```


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

```
.border{ border-color:rgb(196, 236, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 236, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(196, 236,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6117, 77.6672, 89.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 236, 234) }
```

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

```
.background{ background-color: rgb(196,  
236, 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