

Converting Colors

XYZ(67.9374, 77.7497, 90.6890)

Have a look what the booklet for
XYZ(67.9374, 77.7497, 90.6890)
contains.

XYZ(67.9007, 77.7828, 90.7917)	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(67.9007, 77.7828,
90.7917)**

Conversions

Conversions Part 1

Format	Color
Hex	C4ECEC
RGB	196, 236, 236
RGB Percent	77%, 93%, 93%
CMY	0.2314, 0.0745, 0.0745
CMYK	0.17, 0.00, 0.00, 0.07
HSL	180°, 51%, 85%
HSV	180°, 17%, 93%
XYZ	67.9007, 77.7828, 90.7917
YIQ	224.0400, -23.8400, -8.4800

Conversions

Conversions Part 2

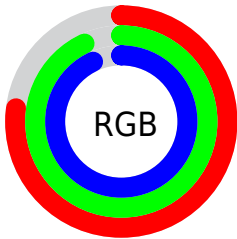
Format	Color
RYB	196, 216, 236
Decimal	12905708
CIELab	90.68, -12.86, -4.31
CIElCh	91, 13.561, 198.547
Yxy	77.7828, 0.2871, 0.3289
Android (android.graphics.Color)	4291095788 (0xFFC4ECEC)
YUV	224.0400, 5.8963, -24.5911
Hunter-Lab	88.1946, -16.9139, 0.7002

Details

The XYZ color **67.9007, 77.7828, 90.7917** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.2986, 61.3003, 60.6711**, and the grayscale version is **70.8533, 74.5432, 81.1776**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **35.7148, 41.6886, 49.3443** is the 20% darker color. If you saturate the color by 10%, you get **62.2387, 74.8660, 90.5269**, and if you desaturate by 10%, it is **74.5328, 81.2038, 91.1052**.

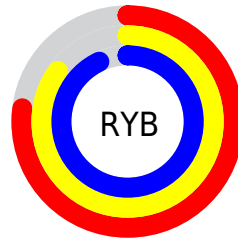
Distribution



Red (77%)

Green (93%)

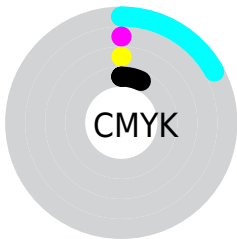
Blue (93%)



Red (77%)

Yellow (85%)

Blue (93%)

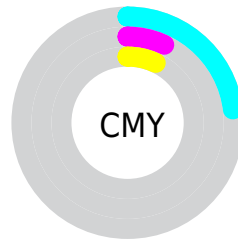


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (23%)

Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9007, 77.7828, 90.7917 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 67.9007, 77.7828, 90.7917 by changing the saturation by 10% instead.

67.9007, 77.7828,
90.7917

67.9007, 77.7828,
90.7917

442.5264,
487.4289, 551.2393

50.0903, 57.8956,
68.0601

115.2528,
130.2439, 150.3827

35.7033, 41.7247,
49.4796

145.5252,
163.5865, 188.0792

24.3742, 28.8858,
34.6318

180.6823,
202.1831, 231.6010

15.7376, 18.9944,
23.0981

221.0895,
246.4181, 281.3667

9.4284, 11.6663,
14.4600

267.1122,
296.6757, 337.7949

5.0810, 6.5169,
8.2989

319.1156,

2.3301, 3.1618,

353.3404, 401.3040

4.1963

377.4653,
416.7967, 472.3126

■ 0.8100, 1.2168,
1.7336

■ 0.0000, 0.0754,
0.3836

■ 67.9007, 77.7828,
90.7917

■ 67.9007, 77.7828,
90.7917

■ 62.2387, 74.8660,
90.5269

■ 74.5328, 81.2038,
91.1052

■ 57.4950, 72.4206,
90.3034


■ 82.1703, 85.1410,
91.4641


■ 53.6234, 70.4247,
90.1208


■ 86.3783, 87.3103,
91.6625


■ 50.5706, 68.8510,
89.9764


■ 86.3785, 87.3104,
91.6640


 48.2779, 67.6691,
89.8677


 86.3788, 87.3105,
91.6654


 46.6786, 66.8446,
89.7914


 86.3791, 87.3106,
91.6669


 45.6945, 66.3374,
89.7438

 86.3794, 87.3107,
91.6684

 45.2253, 66.0955,
89.7204

 86.3797, 87.3108,
91.6699

 45.1351, 66.0490,
89.7158

 86.3799, 87.3110,
91.6714

Harmonies

Analogous

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



67.7030, 77.7828, 81.0267



67.9007, 77.7828, 90.7917



69.6840, 77.7828, 99.5227

Triad

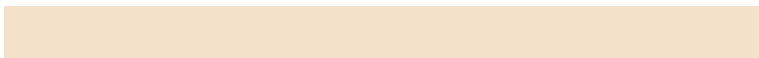
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9007, 77.7828, 90.7917



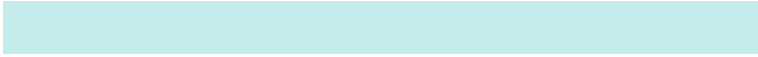
78.9419, 77.7828, 97.7087



75.2367, 77.7828, 67.6271

Complementary

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



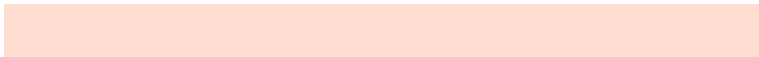
67.9007, 77.7828, 90.7917



64.2986, 61.3003, 60.6711

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.



78.3455, 77.7828, 71.4135



67.9007, 77.7828, 90.7917



80.5281, 77.7828, 88.4667

Square

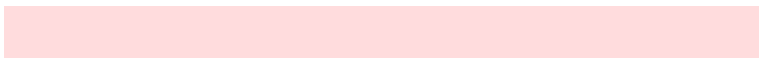
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9007, 77.7828, 90.7917



76.0304, 77.7828, 103.7226



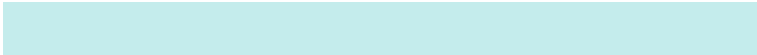
80.3065, 77.7828, 78.8723



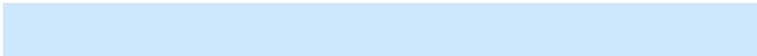
71.8691, 77.7828, 68.1447

Rectangle

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



67.9007, 77.7828, 90.7917



71.5636, 77.7828, 103.3511



80.3065, 77.7828, 78.8723



76.3484, 77.7828, 68.4262

Sweetspot

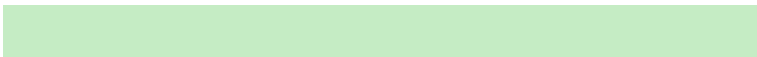
The Sweet Spot groups the original color and five complimentary colors.



67.9030, 77.7860, 90.7934



90.5137, 97.6614, 108.6868



62.9003, 75.8050, 63.5425



19.2425, 20.8359, 23.2573



0.0000, 0.0000, 0.0000



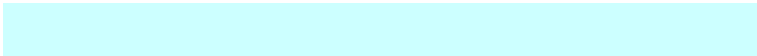
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9030, 77.7860, 90.7934



78.7112, 91.5771, 108.1318



62.6345, 67.2484, 89.0397



15.5177, 17.1219, 19.4089



24.8781, 36.4057, 49.4508



1.9535, 2.8587, 3.8832

Inverse Universe

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



64.2986, 61.3003, 60.6711



73.7325, 68.8056, 66.5241



68.9441, 70.5919, 62.2177



15.0656, 15.0541, 15.6307



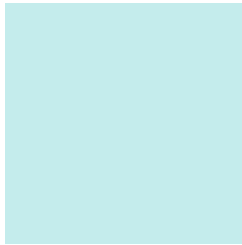
19.0679, 9.8298, 0.8928



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 67.9007, 77.7828, 90.7917 looks on a white background.

Color Contrast Check

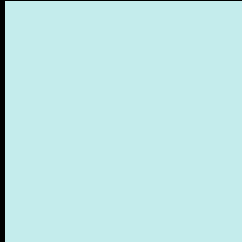
Large Text (above 18pt) WCAG AA × Fail

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 67.9007, 77.7828, 90.7917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

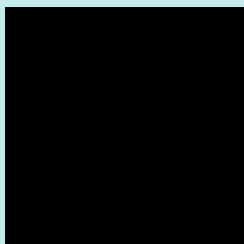
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

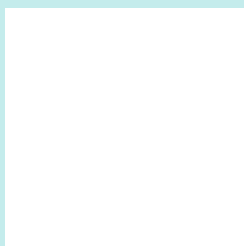
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9007, 77.7828, 90.7917

Background



This preview shows how black text looks on a background with the XYZ color 67.9007, 77.7828, 90.7917.

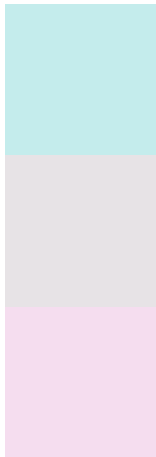


This preview shows how white text looks on a background with the XYZ color 67.9007, 77.7828,

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

67.9007, 77.7828, 90.7917

Protanopia

74.7070, 77.6403, 85.9115

Deuteranopia

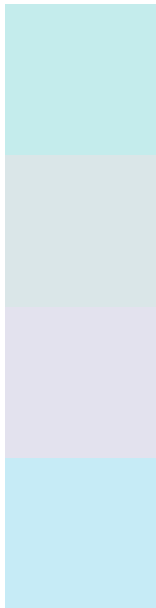
79.0926, 77.3574, 92.4242



Tritanopia

70.5467, 78.0160, 103.4359

Trichromacy



Original Color

67.9007, 77.7828, 90.7917

Protanomaly

71.7757, 77.3253, 87.4862

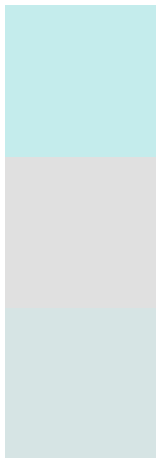
Deuteranomaly

74.3075, 76.8967, 91.8150

Tritanomaly

69.6316, 78.0762, 98.5890

Monochromacy



Original Color

67.9007, 77.7828, 90.7917

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 67.9007, 77.7828, 90.7917 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(196, 236, 236)  
}
```

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, 236) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 67.9007, 77.7828, 90.7917 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, 236) }
```


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

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

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, 236)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 67.9007, 77.7828, 90.7917 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, 236) }
```

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

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

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