

Converting Colors

XYZ(68.2444, 78.1885, 87.4595)

Have a look what the booklet for
XYZ(68.2444, 78.1885, 87.4595)
contains.

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Color

**XYZ(67.9724, 77.9025,
87.0555)**

Conversions

Conversions Part 1

Format	Color
Hex	C7ECE7
RGB	199, 236, 231
RGB Percent	78%, 93%, 91%
CMY	0.2196, 0.0745, 0.0941
CMYK	0.16, 0.00, 0.02, 0.07
HSL	172°, 49%, 85%
HSV	172°, 16%, 93%
XYZ	67.9724, 77.9025, 87.0555
YIQ	224.3670, -20.4470, -9.3990

Conversions

Conversions Part 2

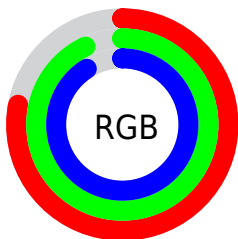
Format	Color
R_{YB}	199, 219, 236
Decimal	13102311
CIE _{Lab}	90.74, -12.94, -1.60
CIE _{LCh}	91, 13.034, 187.055
Yxy	77.9025, 0.2918, 0.3344
Android (android.graphics.Color)	4291292391 (0xFFC7ECE7)
YUV	224.3670, 3.2701, -22.2469
Hunter-Lab	88.2624, -16.9932, 3.3044

Details

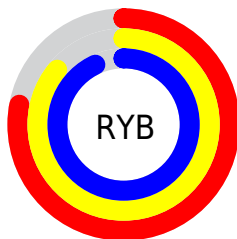
The XYZ color **67.9724, 77.9025, 87.0555** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.9173, 63.0414, 65.8240**, and the grayscale version is **71.1036, 74.8065, 81.4643**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7362, 41.7574, 46.7339** is the 20% darker color. If you saturate the color by 10%, you get **61.7436, 74.7451, 84.4341**, and if you desaturate by 10%, it is **75.1849, 81.5702, 89.7691**.

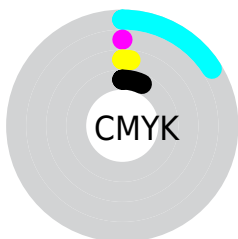
Distribution



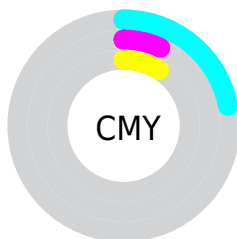
- Red (78%)
- Green (93%)
- Blue (91%)



- Red (78%)
- Yellow (86%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9724, 77.9025, 87.0555 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 67.9724, 77.9025, 87.0555 by changing the saturation by 10% instead.

67.9724, 77.9025,
87.0555

67.9724, 77.9025,
87.0555

442.7765,
487.8356, 538.7262

50.1489, 57.9939,
64.9812

115.3548,
130.4127, 145.1410

35.7500, 41.8037,
46.9946

145.6444,
163.7830, 181.9894

24.4104, 28.9476,
32.6771

180.8200,
202.4094, 224.5996

15.7647, 19.0412,
21.6101

221.2470,
246.6762, 273.3901

9.4476, 11.7001,
13.3751

267.2909,
296.9678, 328.7794

5.0937, 6.5398,
7.5536

319.3168,

2.3377, 3.1760,

353.6687, 391.1862

3.7270

377.6902,
417.1632, 461.0289

■ 0.8138, 1.2243,
1.4768

■ 0.0000, 0.0814,
0.2006

■ 67.9724, 77.9025,
87.0555

■ 67.9724, 77.9025,
87.0555

■ 61.7436, 74.7451,
84.4341

■ 75.1849, 81.5702,
89.7691

■ 56.4473, 72.0655,
81.8973


■ 83.4164, 85.7602,
92.5719


■ 52.0375, 69.8418,
79.4445


■ 87.0506, 87.5792,
95.2029


■ 48.4617, 68.0472,
77.0730


■ 87.5305, 87.7712,
97.7299


 45.6619, 66.6517,
74.7798

 88.0187, 87.9665,
100.3010


 43.5725, 65.6215,
72.5615


 88.5154, 88.1651,
102.9165

 42.1170, 64.9172,
70.4145

 89.0206, 88.3672,
105.5766

 41.2012, 64.4902,
68.3340

 89.2869, 88.4737,
106.9790

 40.9073, 64.3579,
67.4525

Harmonies

Analogous

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



68.3986, 77.9025, 77.9885



67.9724, 77.9025, 87.0555



69.1343, 77.9025, 96.1531

Triad

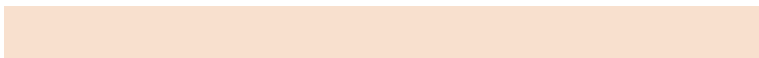
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9724, 77.9025, 87.0555



77.9012, 77.9025, 100.0345



76.5246, 77.9025, 69.2844

Complementary

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



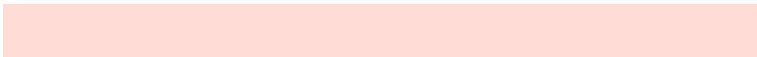
67.9724, 77.9025, 87.0555



65.9173, 63.0414, 65.8240

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.



79.1807, 77.9025, 74.4191



67.9724, 77.9025, 87.0555



79.9918, 77.9025, 92.0447

Square

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



67.9724, 77.9025, 87.0555



74.8196, 77.9025, 103.9961



80.4668, 77.9025, 82.6282



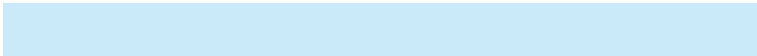
73.2737, 77.9025, 68.1636

Rectangle

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



67.9724, 77.9025, 87.0555



70.6740, 77.9025, 100.8643



80.4668, 77.9025, 82.6282



77.5195, 77.9025, 70.5788

Sweetspot

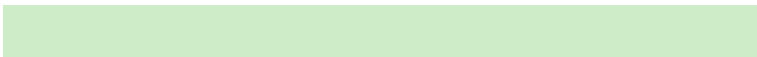
The Sweet Spot groups the original color and five complimentary colors.



67.9746, 77.9057, 87.0572



90.2375, 97.5510, 107.2324



65.3594, 77.0329, 65.4581



19.1751, 20.8090, 22.9025



0.0000, 0.0000, 0.0000



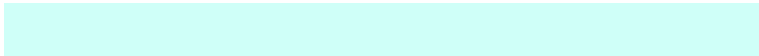
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9746, 77.9057, 87.0572



78.3796, 91.5259, 102.7078



65.0968, 71.0030, 89.6346



15.4250, 17.0848, 18.9206



22.5832, 35.4877, 37.3657



1.7976, 2.7963, 3.0619

Inverse Universe

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



65.9173, 63.0414, 65.8240



75.4670, 70.4771, 72.6439



68.4345, 69.0208, 63.7495



15.1484, 15.0872, 16.0667



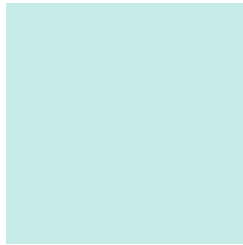
19.2377, 9.8978, 1.7871



1.5369, 0.7877, 0.2790

Previews

White Background



This preview shows how the XYZ color 67.9724, 77.9025, 87.0555 looks on a white background.

Color Contrast Check

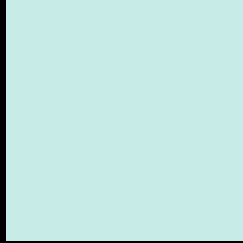
Large Text (above 18pt) WCAG AA × Fail

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 67.9724, 77.9025, 87.0555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

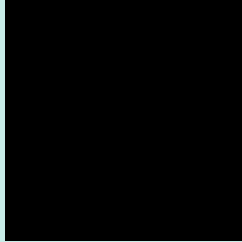
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

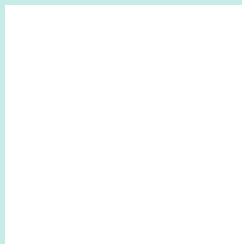
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9724, 77.9025, 87.0555

Background



This preview shows how black text looks on a background with the XYZ color 67.9724, 77.9025, 87.0555.

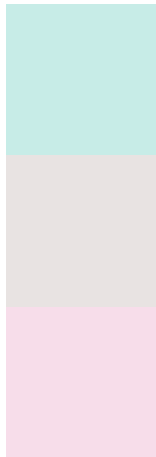


This preview shows how white text looks on a background with the XYZ color 67.9724, 77.9025,

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

67.9724, 77.9025, 87.0555

Protanopia

74.4753, 77.5850, 83.0016

Deuteranopia

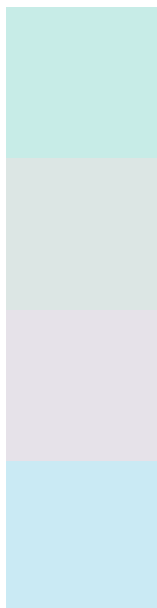
79.0655, 77.4276, 88.6197



Tritanopia

71.1801, 77.9394, 102.5590

Trichromacy



Original Color

67.9724, 77.9025, 87.0555

Protanomaly

71.8156, 77.4107, 84.5555

Deuteranomaly

74.5375, 77.0989, 88.0438

Tritanomaly

70.1091, 77.9338, 96.9355

Monochromacy



Original Color

67.9724, 77.9025, 87.0555

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.6329, 75.4799, 83.5721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9724, 77.9025, 87.0555 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(199, 236, 231)` looks like.

```
.text, #text, p{  
    color:rgb(199, 236, 231)  
}
```

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(199, 236, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 236, 231) }
```

Border

The CSS property to change the border of an element to XYZ 67.9724, 77.9025, 87.0555 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(199, 236, 231) }
```


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

```
.border{ border-color:rgb(199, 236, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 236, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 236, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 236, 231);  
box-shadow:4px 4px 4px 4px rgb(199, 236,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9724, 77.9025, 87.0555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 236, 231) }
```

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

```
.background{ background-color: rgb(199,  
236, 231) }
```

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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