

Converting Colors

XYZ(63.0682, 77.1517, 84.9665)

Have a look what the booklet for
XYZ(63.0682, 77.1517, 84.9665)
contains.

XYZ(63.0682, 77.1517, 84.9665)	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(63.0682, 77.1517,
84.9665)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F0E4
RGB	176, 240, 228
RGB Percent	69%, 94%, 89%
CMY	0.3098, 0.0588, 0.1059
CMYK	0.27, 0.00, 0.05, 0.06
HSL	169°, 68%, 82%
HSV	169°, 27%, 94%
XYZ	63.0682, 77.1517, 84.9665
YIQ	219.4960, -34.2920, -17.3000

Conversions

Conversions Part 2

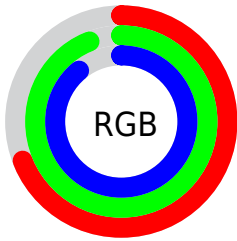
Format	Color
R_{YB}	176, 211, 240
Decimal	11596004
CIE _{Lab}	90.39, -22.48, -0.70
CIE _{LCh}	90, 22.486, 181.777
Yxy	77.1517, 0.2801, 0.3426
Android (android.graphics.Color)	4289786084 (0xFFB0F0E4)
YUV	219.4960, 4.1925, -38.1460
Hunter-Lab	87.8360, -25.5462, 4.1322

Details

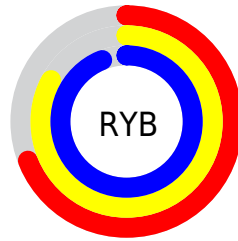
The XYZ color **63.0682, 77.1517, 84.9665** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.5403, 53.2089, 54.6597**, and the grayscale version is **67.6671, 71.1910, 77.5270**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **32.7094, 41.4357, 45.8091** is the 20% darker color. If you saturate the color by 10%, you get **57.4977, 74.3533, 81.4876**, and if you desaturate by 10%, it is **69.6188, 80.4575, 88.5794**.

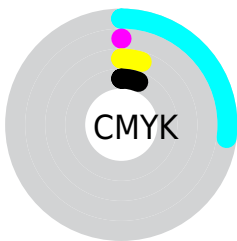
Distribution



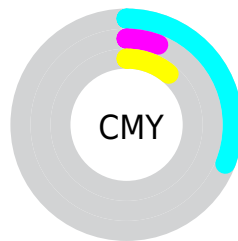
- Red (69%)
- Green (94%)
- Blue (89%)



- Red (69%)
- Yellow (83%)
- Blue (94%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)





- Cyan (31%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0682, 77.1517, 84.9665 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 63.0682, 77.1517, 84.9665 by changing the saturation by 10% instead.


 63.0682, 77.1517,
84.9665

 63.0682, 77.1517,
84.9665

425.4727,
485.2811, 531.6589

 46.1552, 57.3774,
63.2637


 108.3492,
129.3536, 142.2001

 32.5735, 41.3083,
45.6122


137.4479,
162.5500, 178.5680

 21.9576, 28.5601,
31.5935


171.3392,
200.9892, 220.6614

 13.9422, 18.7483,
20.7889

210.3885,
245.0556, 268.8987

 8.1619, 11.4885,
12.7801

254.9612,
295.1336, 323.6986

 4.2514, 6.3964,
7.1483

305.4225,

 1.8453, 3.0876,

351.6075, 385.4796

3.4752

362.1379,
414.8619, 454.6602

■ 0.5447, 1.1776,
1.3421

■ 0.0000, 0.0433,
0.0959

■ 63.0682, 77.1517,
84.9665

■ 63.0682, 77.1517,
84.9665

■ 57.4977, 74.3533,
81.4876

■ 69.6188, 80.4575,
88.5794

■ 52.8499, 72.0267,
78.1346

■ 77.1897, 84.2854,
92.3241

■ 49.0719, 70.1466,
74.9060

■ 85.8271, 88.6612,
96.2048

■ 46.1023, 68.6814,
71.7982

■ 89.0369, 90.2371,
99.9183

■ 43.8718, 67.5954,
68.8073

■ 89.7364, 90.5169,
103.6017

■ 42.2992, 66.8468,
65.9289

■ 90.4514, 90.8029,
107.3671

■ 41.2818, 66.3826,
63.1575

■ 41.0111, 66.2627,
62.2548

Harmonies

Analogous

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



64.2304, 77.1517, 70.2258



63.0682, 77.1517, 84.9665



64.5371, 77.1517, 101.3468

Triad

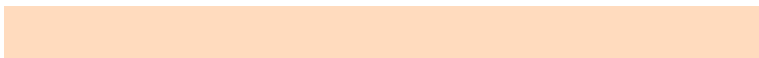
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.0682, 77.1517, 84.9665



79.1589, 77.1517, 113.1000



78.5510, 77.1517, 59.6187

Complementary

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



63.0682, 77.1517, 84.9665



60.5403, 53.2089, 54.6597

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.



82.8882, 77.1517, 68.7639



63.0682, 77.1517, 84.9665



83.2516, 77.1517, 99.4784

Square

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



63.0682, 77.1517, 84.9665



73.6653, 77.1517, 118.8219



84.6494, 77.1517, 83.0510



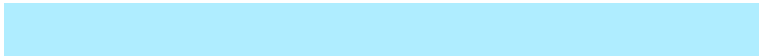
72.9965, 77.1517, 56.7553

Rectangle

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



63.0682, 77.1517, 84.9665



66.8565, 77.1517, 110.6876



84.6494, 77.1517, 83.0510



80.2093, 77.1517, 61.9972

Sweetspot

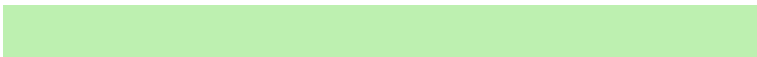
The Sweet Spot groups the original color and five complimentary colors.



63.0704, 77.1548, 84.9682



87.3291, 96.0902, 105.3553



59.9357, 76.2512, 52.6348



18.4001, 20.4196, 22.4101



0.0000, 0.0000, 0.0000



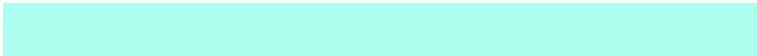
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0704, 77.1548, 84.9682



68.7653, 86.7232, 95.3170



59.4387, 67.1315, 92.2666



16.1128, 17.8751, 19.6169



22.4957, 36.2903, 34.3231



1.9039, 3.0320, 3.0264

Inverse Universe

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



60.5403, 53.2089, 54.6597



65.4135, 54.9620, 55.1365



63.3342, 60.7822, 49.4698



15.8939, 15.8073, 16.9974



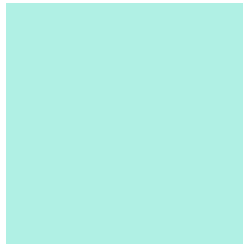
19.9665, 10.2590, 2.4741



1.6941, 0.8667, 0.3803

Previews

White Background



This preview shows how the XYZ color 63.0682, 77.1517, 84.9665 looks on a white background.

Color Contrast Check

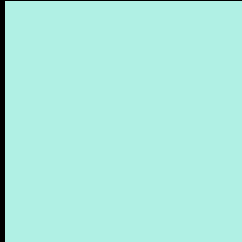
Large Text (above 18pt) WCAG AA × Fail

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 63.0682, 77.1517, 84.9665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

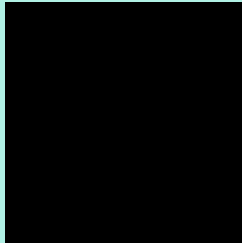
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

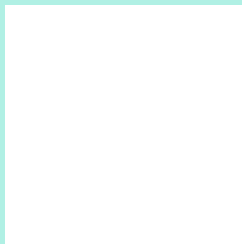
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0682, 77.1517, 84.9665

Background



This preview shows how black text looks on a background with the XYZ color 63.0682, 77.1517, 84.9665.

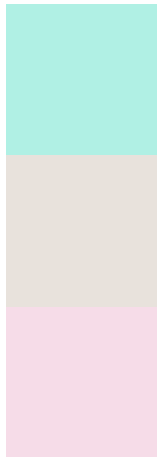


This preview shows how white text looks on a background with the XYZ color 63.0682, 77.1517,

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

63.0682, 77.1517, 84.9665

Protanopia

73.3933, 76.7158, 78.6495

Deuteranopia

78.1647, 76.6054, 87.0105



Tritanopia

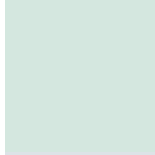
67.3369, 77.1560, 105.9513

Trichromacy



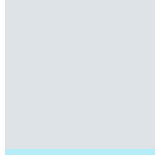
Original Color

63.0682, 77.1517, 84.9665



Protanomaly

69.0466, 76.4766, 80.9344



Deuteranomaly

71.7117, 76.0798, 86.5066



Tritanomaly

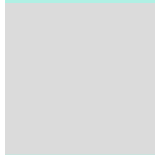
65.5880, 76.8642, 97.7656

Monochromacy



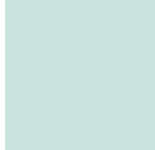
Original Color

63.0682, 77.1517, 84.9665



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.2825, 72.9086, 79.7393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0682, 77.1517, 84.9665 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(176, 240, 228)` looks like.

```
.text, #text, p{  
    color:rgb(176, 240, 228)  
}
```

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(176, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 240, 228) }
```

Border

The CSS property to change the border of an element to XYZ 63.0682, 77.1517, 84.9665 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(176, 240, 228) }
```


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

```
.border{ border-color:rgb(176, 240, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 240, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(176, 240,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0682, 77.1517, 84.9665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 240, 228) }
```

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

```
.background{ background-color: rgb(176,  
240, 228) }
```

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