

Converting Colors

XYZ(59.9607, 77.1728, 75.9469)

Have a look what the booklet for
XYZ(59.9607, 77.1728, 75.9469)
contains.

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Color

**XYZ(59.8334, 77.0068,
76.0002)**

Conversions

Conversions Part 1

Format	Color
Hex	A5F3D7
RGB	165, 243, 215
RGB Percent	65%, 95%, 84%
CMY	0.3529, 0.0470, 0.1569
CMYK	0.32, 0.00, 0.12, 0.05
HSL	158°, 76%, 80%
HSV	158°, 32%, 95%
XYZ	59.8334, 77.0068, 76.0002
YIQ	216.4860, -37.5000, -25.2440

Conversions

Conversions Part 2

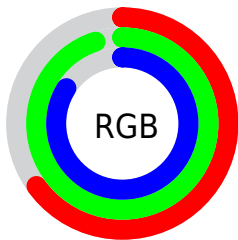
Format	Color
RYB	165, 213, 243
Decimal	10875863
CIELab	90.32, -29.78, 5.91
CIELCh	90, 30.356, 168.779
Yxy	77.0068, 0.2811, 0.3618
Android (android.graphics.Color)	4289065943 (0xFFA5F3D7)
YUV	216.4860, -0.7326, -45.1532
Hunter-Lab	87.7535, -31.8612, 10.0785

Details

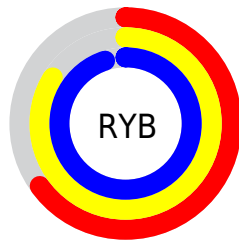
The XYZ color **59.8334, 77.0068, 76.0002** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.0456, 49.8172, 56.9062**, and the grayscale version is **65.6267, 69.0444, 75.1893**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **30.5459, 41.3937, 39.6376** is the 20% darker color. If you saturate the color by 10%, you get **54.1603, 74.2103, 70.0392**, and if you desaturate by 10%, it is **66.5309, 80.3285, 82.3245**.

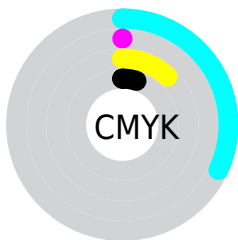
Distribution



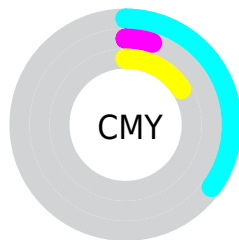
- Red (65%)
- Green (95%)
- Blue (84%)



- Red (65%)
- Yellow (84%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)





- Cyan (35%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8334, 77.0068, 76.0002 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 59.8334, 77.0068, 76.0002 by changing the saturation by 10% instead.

 59.8334, 77.0068,
76.0002


 59.8334, 77.0068,
76.0002


413.8280,
484.7872, 500.6952

 43.5333, 57.2585,
55.9260


 103.6957,
129.1491, 129.4873

 30.5001, 41.2128,
39.7400


 131.9886,
162.3118, 163.7373

 20.3685, 28.4854,
27.0236


165.0098,
200.7148, 203.5496

 12.7730, 18.6919,
17.3584

203.1247,
244.7424, 249.3428

 7.3483, 11.4478,
10.3257

246.6986,
294.7791, 301.5354

 3.7291, 6.3689,
5.5070

296.0969,

 1.5501, 3.0707,

351.2092, 360.5460

2.4838

351.6849,
414.4171, 426.7931

0.3595, 1.1687,
0.8316

0.0000, 0.0360,
0.0000

59.8334, 77.0068,
76.0002

59.8334, 77.0068,
76.0002

54.1603, 74.2103,
70.0392

66.5309, 80.3285,
82.3245

49.4496, 71.9012,
64.4288

74.2974, 84.1923,
89.0140

45.6426, 70.0512,
59.1631

83.1828, 88.6257,
96.0773

42.6710, 68.6254,
54.2338

90.5312, 92.2596,
103.3945

■ 40.4565, 67.5833,
49.6320

■ 91.3420, 92.5839,
107.6640

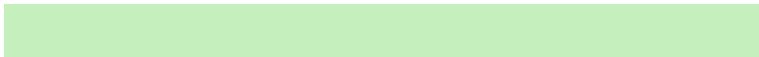
■ 38.9047, 66.8765,
45.3481

■ 38.0329, 66.4963,
42.1791

Harmonies

Analogous

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



62.7890, 77.0068, 59.2855



59.8334, 77.0068, 76.0002



60.2683, 77.0068, 97.9837

Triad

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



59.8334, 77.0068, 76.0002



77.9752, 77.0068, 129.7889



83.2011, 77.0068, 56.2572

Complementary

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



59.8334, 77.0068, 76.0002



60.0456, 49.8172, 56.9062

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.



87.8441, 77.0068, 71.1405



59.8334, 77.0068, 76.0002



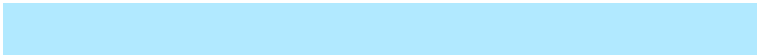
84.6864, 77.0068, 114.3994

Square

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



59.8334, 77.0068, 76.0002



70.3988, 77.0068, 131.6997



88.4056, 77.0068, 92.2168



76.0595, 77.0068, 49.2673

Rectangle

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



59.8334, 77.0068, 76.0002



62.4299, 77.0068, 112.7346



88.4056, 77.0068, 92.2168



85.1263, 77.0068, 60.3714

Sweetspot

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



59.8356, 77.0099, 76.0019



84.8437, 94.9047, 100.9112



60.9902, 78.2376, 47.4854



17.8750, 20.1714, 21.3661



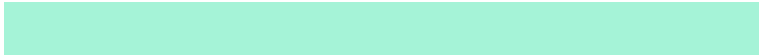
0.0000, 0.0000, 0.0000



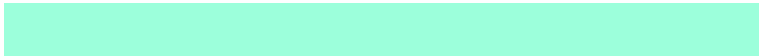
20.3446, 21.4041, 23.3091

Same Dimension

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



59.8356, 77.0099, 76.0019



62.2087, 83.6733, 80.0951



60.7230, 72.5250, 95.5959



16.7294, 18.6509, 19.8596



20.9397, 36.5207, 23.4999



1.8894, 3.2294, 2.3234

Inverse Universe

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



60.0456, 49.8172, 56.9062



62.4849, 48.6589, 55.5349



59.1640, 52.5892, 42.6310



16.7449, 16.5808, 18.4033



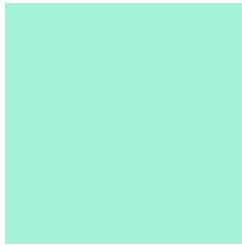
21.2941, 10.8611, 6.2573



1.9188, 0.9735, 0.7989

Previews

White Background



This preview shows how the XYZ color 59.8334, 77.0068, 76.0002 looks on a white background.

Color Contrast Check

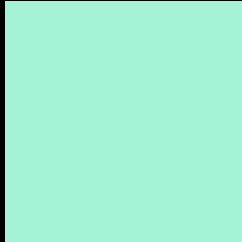
Large Text (above 18pt) WCAG AA × Fail

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 59.8334, 77.0068, 76.0002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

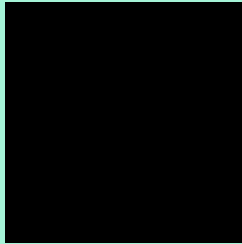
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

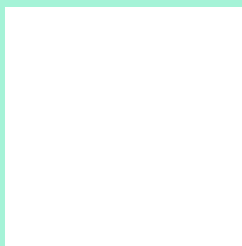
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.8334, 77.0068, 76.0002

Background



This preview shows how black text looks on a background with the XYZ color 59.8334, 77.0068, 76.0002.

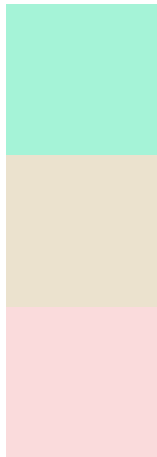


This preview shows how white text looks on a background with the XYZ color 59.8334, 77.0068,

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

59.8334, 77.0068, 76.0002

Protanopia

72.5979, 76.5111, 69.3343

Deuteranopia

77.6741, 76.1543, 78.3155



Tritanopia

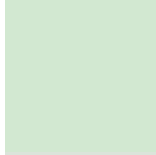
66.2387, 77.0185, 105.9826

Trichromacy



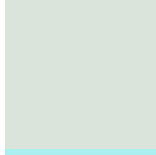
Original Color

59.8334, 77.0068, 76.0002



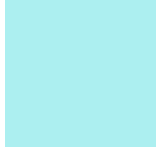
Protanomaly

66.9436, 76.0183, 71.4663



Deuteranomaly

69.6117, 75.6088, 77.2547



Tritanomaly

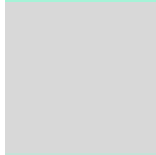
63.6079, 76.7949, 93.9085

Monochromacy



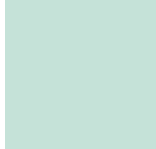
Original Color

59.8334, 77.0068, 76.0002



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.6170, 71.2209, 75.4125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8334, 77.0068, 76.0002 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(165, 243, 215)` looks like.

```
.text, #text, p{  
    color:rgb(165, 243, 215)  
}
```

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(165, 243, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 243, 215) }
```

Border

The CSS property to change the border of an element to XYZ 59.8334, 77.0068, 76.0002 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(165, 243, 215) }
```


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

```
.border{ border-color:rgb(165, 243, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 243, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 243, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 243, 215);  
box-shadow:4px 4px 4px 4px rgb(165, 243,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8334, 77.0068, 76.0002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 243, 215) }
```

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

```
.background{ background-color: rgb(165,  
243, 215) }
```

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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