

Converting Colors

XYZ(60.0360, 78.4893, 75.7980)

Have a look what the booklet for
XYZ(60.0360, 78.4893, 75.7980)
contains.

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Color

**XYZ(59.9937, 78.4480,
75.5983)**

Conversions

Conversions Part 1

Format	Color
Hex	A2F6D6
RGB	162, 246, 214
RGB Percent	64%, 96%, 84%
CMY	0.3647, 0.0353, 0.1608
CMYK	0.34, 0.00, 0.13, 0.04
HSL	157°, 82%, 80%
HSV	157°, 34%, 96%
XYZ	59.9937, 78.4480, 75.5983
YIQ	217.2360, -39.7920, -27.7600

Conversions

Conversions Part 2

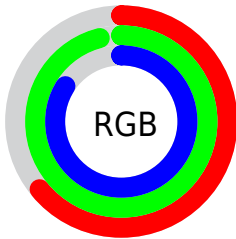
Format	Color
RYB	162, 214, 246
Decimal	10680022
CIELab	90.98, -32.23, 7.36
CIELCh	91, 33.064, 167.144
Yxy	78.4480, 0.2803, 0.3665
Android (android.graphics.Color)	4288870102 (0xFFA2F6D6)
YUV	217.2360, -1.5953, -48.4420
Hunter-Lab	88.5709, -34.0916, 11.3936

Details

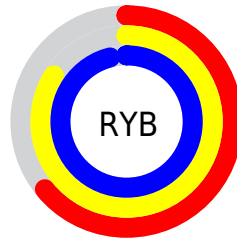
The XYZ color **59.9937, 78.4480, 75.5983** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.6667, 49.3306, 57.3664**, and the grayscale version is **66.1471, 69.5919, 75.7856**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **30.5190, 42.0242, 39.3038** is the 20% darker color. If you saturate the color by 10%, you get **54.3146, 75.6567, 69.2641**, and if you desaturate by 10%, it is **66.7236, 81.7771, 82.3446**.

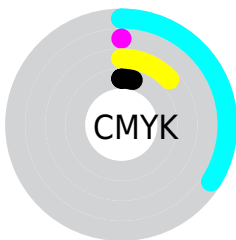
Distribution



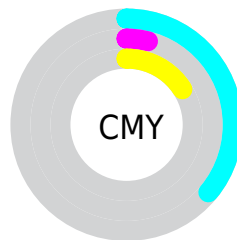
- Red (64%)
- Green (96%)
- Blue (84%)



- Red (64%)
- Yellow (84%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)




- Cyan (36%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9937, 78.4480, 75.5983 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 59.9937, 78.4480, 75.5983 by changing the saturation by 10% instead.


 59.9937, 78.4480,
75.5983


 59.9937, 78.4480,
75.5983


414.4097,
489.6870, 499.2817

 43.6630, 58.4421,
55.5985


 103.9269,
131.1815, 128.9138

 30.6024, 42.1642,
39.4793


 132.2602,
164.6778, 163.0666

 20.4466, 29.2298,
26.8221


165.3249,
203.4397, 202.7741

 12.8303, 19.2548,
17.2084

203.4866,
247.8516, 248.4549

 7.3880, 11.8545,
10.2197

247.1106,
298.2979, 300.5275

 3.7544, 6.6447,
5.4373


296.5622,


 1.5641, 3.2409,


355.1630, 359.4105

2.4429


352.2068,
418.8312, 425.5224


 0.3689, 1.2588,
0.8097

 0.0000, 0.1089,
0.0000


 59.9937, 78.4480,
75.5983


 59.9937, 78.4480,
75.5983


 54.3146, 75.6567,
69.2641


 66.7236, 81.7771,
82.3446


 49.6212, 73.3638,
63.3278

 74.5513, 85.6621,
89.5061

 45.8515, 71.5392,
57.7823

 83.5291, 90.1317,
97.0925

 42.9330, 70.1460,
52.6177

 91.6873, 94.1704,
105.0172

■ 40.7820, 69.1410,
47.8236

■ 92.2472, 94.3944,
107.9657

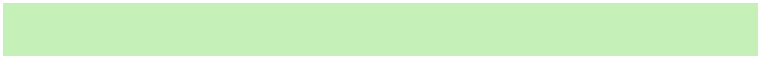
■ 39.2962, 68.4717,
43.3887

■ 38.6479, 68.1907,
40.9524

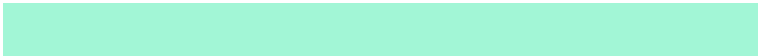
Harmonies

Analogous

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



63.4125, 78.4480, 57.8289



59.9937, 78.4480, 75.5983



60.2627, 78.4480, 99.6840

Triad

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



59.9937, 78.4480, 75.5983



79.3907, 78.4480, 137.2558



86.0118, 78.4480, 55.9757

Complementary

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



59.9937, 78.4480, 75.5983



60.6667, 49.3306, 57.3664

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.



90.9623, 78.4480, 72.5799



59.9937, 78.4480, 75.5983



86.9484, 78.4480, 120.6221

Square

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



59.9937, 78.4480, 75.5983



71.0504, 78.4480, 138.4795



91.3173, 78.4480, 96.0501



78.1884, 78.4480, 48.0052

Rectangle

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



59.9937, 78.4480, 75.5983



62.4946, 78.4480, 116.2615



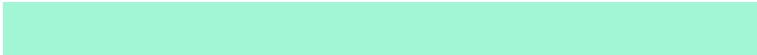
91.3173, 78.4480, 96.0501



88.0917, 78.4480, 60.5752

Sweetspot

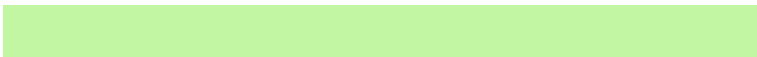
The Sweet Spot groups the original color and five complimentary colors.



59.9959, 78.4512, 75.6001



84.7579, 94.8704, 100.4592



61.7794, 80.0194, 46.3728



17.8542, 20.1631, 21.2565



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.



59.9959, 78.4512, 75.6001



60.7081, 82.9618, 77.2174



61.5905, 74.4445, 98.3156



16.7135, 18.6445, 19.7755



20.6984, 36.4242, 22.2291



1.8692, 3.2213, 2.2169

Inverse Universe

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



60.6667, 49.3306, 57.3664



61.5433, 46.9466, 54.6944



59.2446, 51.6325, 41.0272



16.7604, 16.5870, 18.4846



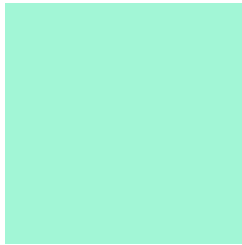
21.4209, 10.9118, 6.9248



1.9311, 0.9784, 0.8637

Previews

White Background



This preview shows how the XYZ color 59.9937, 78.4480, 75.5983 looks on a white background.

Color Contrast Check

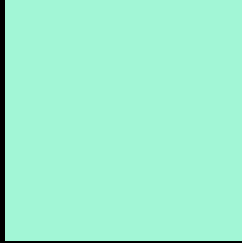
Large Text (above 18pt) WCAG AA × Fail

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 59.9937, 78.4480, 75.5983 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 59.9937, 78.4480, 75.5983

Background



This preview shows how black text looks on a background with the XYZ color 59.9937, 78.4480, 75.5983.

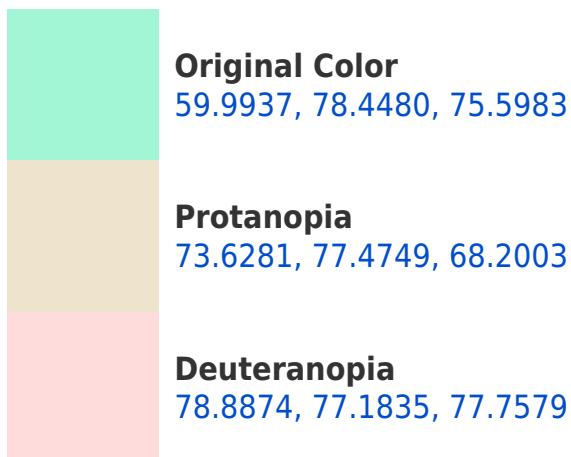


This preview shows how white text looks on a background with the XYZ color 59.9937, 78.4480,

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





Tritanopia

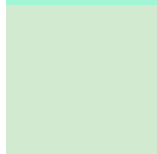
67.6806, 78.1928, 106.1333

Trichromacy



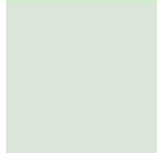
Original Color

59.9937, 78.4480, 75.5983



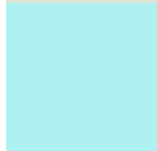
Protanomaly

67.3863, 77.1013, 71.0049



Deuteranomaly

70.0589, 76.2640, 76.6736



Tritanomaly

64.6390, 78.2005, 94.1255

Monochromacy



Original Color

59.9937, 78.4480, 75.5983



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.1640, 72.3150, 75.5948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9937, 78.4480, 75.5983 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(162, 246, 214)` looks like.

```
.text, #text, p{  
    color:rgb(162, 246, 214)  
}
```

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(162, 246, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 246, 214) }
```

Border

The CSS property to change the border of an element to XYZ 59.9937, 78.4480, 75.5983 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(162, 246, 214) }
```


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

```
.border{ border-color:rgb(162, 246, 214) }
```

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

Here you see how a box with a 4 pixel rgb(162, 246, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 246, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 246, 214);  
box-shadow:4px 4px 4px 4px rgb(162, 246,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9937, 78.4480, 75.5983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 246, 214) }
```

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

```
.background{ background-color: rgb(162,  
246, 214) }
```

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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