

Converting Colors

XYZ(60.0017, 78.3107, 79.5315)

Have a look what the booklet for
XYZ(60.0017, 78.3107, 79.5315)
contains.

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Color

**XYZ(59.9746, 78.3479,
79.6718)**

Conversions

Conversions Part 1

Format	Color
Hex	9EF6DC
RGB	158, 246, 220
RGB Percent	62%, 96%, 86%
CMY	0.3804, 0.0353, 0.1372
CMYK	0.36, 0.00, 0.11, 0.04
HSL	162°, 83%, 79%
HSV	162°, 36%, 96%
XYZ	59.9746, 78.3479, 79.6718
YIQ	216.7240, -44.1020, -26.7420

Conversions

Conversions Part 2

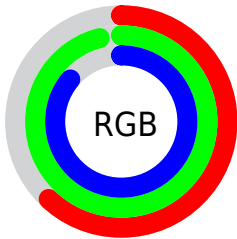
Format	Color
R _Y B	158, 210, 246
Decimal	10417884
CIE Lab	90.94, -32.08, 4.15
CIE LCh	91, 32.352, 172.624
Yxy	78.3479, 0.2751, 0.3594
Android (android.graphics.Color)	4288607964 (0xFF9EF6DC)
YUV	216.7240, 1.6151, -51.5009
Hunter-Lab	88.5143, -33.9540, 8.5931

Details

The XYZ color **59.9746, 78.3479, 79.6718** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.8873, 47.5094, 51.4171**, and the grayscale version is **65.7771, 69.2026, 75.3617**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **30.4686, 41.9366, 42.0860** is the 20% darker color. If you saturate the color by 10%, you get **54.6701, 75.7242, 74.5080**, and if you desaturate by 10%, it is **66.2939, 81.4940, 85.1050**.

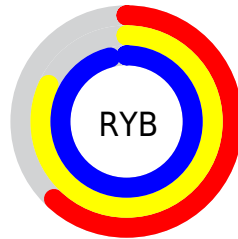
Distribution



Red (62%)

Green (96%)

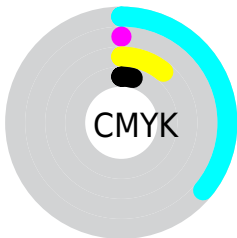
Blue (86%)



Red (62%)

Yellow (82%)

Blue (96%)

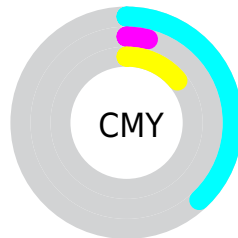


Cyan (36%)

Magenta (0%)

Yellow (11%)

Black (4%)



Cyan (38%)


Magenta (4%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9746, 78.3479, 79.6718 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 59.9746, 78.3479, 79.6718 by changing the saturation by 10% instead.


 59.9746, 78.3479,
79.6718


 59.9746, 78.3479,
79.6718


414.3404,
489.3475, 513.5037

 43.6475, 58.3598,
58.9237


 103.8994,
131.0404, 134.7114

 30.5902, 42.0980,
42.1321


 132.2278,
164.5137, 169.8401

 20.4373, 29.1780,
28.8784


165.2874,
203.2508, 210.5993

 12.8234, 19.2155,
18.7441

203.4435,
247.6361, 257.4077

 7.3832, 11.8261,
11.3106

247.0615,
298.0540, 310.6838

 3.7514, 6.6254,
6.1593

296.5068,

 1.5625, 3.2289,

354.8890, 370.8462

2.8719

352.1446,
418.5253, 438.3133

■ 0.3677, 1.2524,
1.0296

■ 0.0000, 0.1039,
0.0000

■ 59.9746, 78.3479,
79.6718

■ 59.9746, 78.3479,
79.6718

■ 54.6701, 75.7242,
74.5080

■ 66.2939, 81.4940,
85.1050

■ 50.3150, 73.5832,
69.6028

■ 73.6753, 85.1806,
90.8075

■ 46.8469, 71.8946,
64.9521

■ 82.1707, 89.4367,
96.7859

■ 44.1924, 70.6209,
60.5496

■ 91.3081, 94.0186,
103.0210

■ 42.2661, 69.7179,
56.3885

■ 92.2471, 94.3942,
107.9657

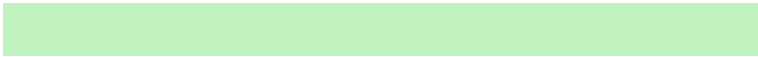
■ 40.9623, 69.1314,
52.4607

■ 40.5305, 68.9436,
50.8665

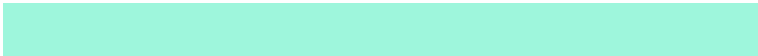
Harmonies

Analogous

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



62.6891, 78.3479, 60.8487



59.9746, 78.3479, 79.6718



60.9116, 78.3479, 103.7745

Triad

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



59.9746, 78.3479, 79.6718



80.6635, 78.3479, 133.8332



84.3968, 78.3479, 54.3669

Complementary

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



59.9746, 78.3479, 79.6718



58.8873, 47.5094, 51.4171

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.



89.8983, 78.3479, 69.1727



59.9746, 78.3479, 79.6718



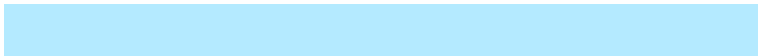
87.6355, 78.3479, 115.5734

Square

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



59.9746, 78.3479, 79.6718



72.4726, 78.3479, 138.0405



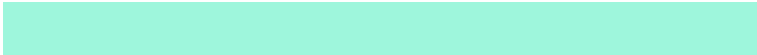
91.1248, 78.3479, 91.2030



76.4984, 78.3479, 48.0736

Rectangle

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



59.9746, 78.3479, 79.6718



63.5156, 78.3479, 119.4736



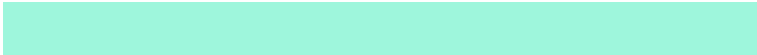
91.1248, 78.3479, 91.2030



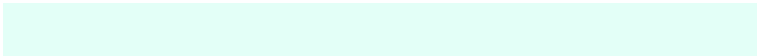
86.6107, 78.3479, 58.3682

Sweetspot

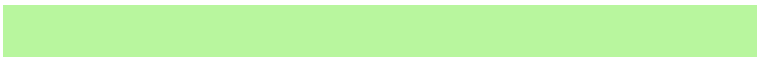
The Sweet Spot groups the original color and five complimentary colors.



59.9768, 78.3511, 79.6736



84.1668, 94.5404, 101.5747



58.9929, 78.6232, 44.4157



17.7505, 20.1030, 21.5534



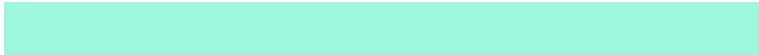
0.0000, 0.0000, 0.0000



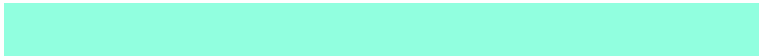
20.3446, 21.4041, 23.3091

Same Dimension

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



59.9768, 78.3511, 79.6736



60.7643, 82.8778, 82.3245



58.5911, 69.6330, 97.5448



16.7759, 18.6695, 20.1040



21.6972, 36.8237, 27.4889



1.9519, 3.2544, 2.6525

Inverse Universe

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



58.8873, 47.5094, 51.4171



59.4297, 44.8222, 47.5069



59.6271, 52.9577, 39.4283



16.7006, 16.5631, 18.1698



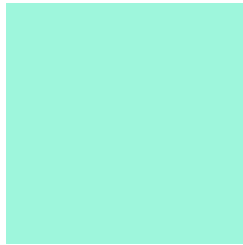
20.9758, 10.7338, 4.5812



1.8867, 0.9607, 0.6299

Previews

White Background



This preview shows how the XYZ color 59.9746, 78.3479, 79.6718 looks on a white background.

Color Contrast Check

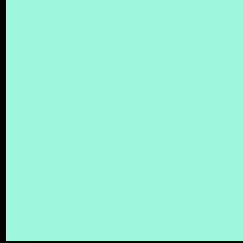
Large Text (above 18pt) WCAG AA × Fail

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 59.9746, 78.3479, 79.6718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

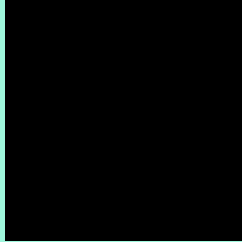
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

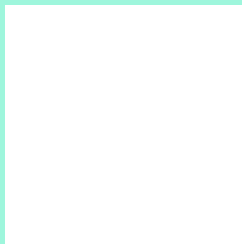
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.9746, 78.3479, 79.6718

Background



This preview shows how black text looks on a background with the XYZ color 59.9746, 78.3479, 79.6718.



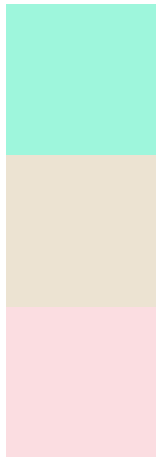
This preview shows how white text looks on a background with the XYZ color 59.9746, 78.3479,

79.6718.

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

59.9746, 78.3479, 79.6718

Protanopia

73.6940, 77.4242, 72.0330

Deuteranopia

79.2307, 77.6584, 82.0478



Tritanopia

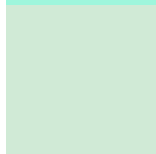
66.9846, 77.8340, 106.1008

Trichromacy



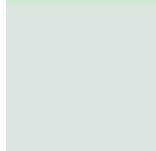
Original Color

59.9746, 78.3479, 79.6718



Protanomaly

67.5728, 77.1106, 74.9407



Deuteranomaly

70.2314, 76.6731, 80.9098



Tritanomaly

64.2769, 77.9793, 95.6682

Monochromacy



Original Color

59.9746, 78.3479, 79.6718



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.1632, 72.2845, 76.9529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9746, 78.3479, 79.6718 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(158, 246, 220)` looks like.

```
.text, #text, p{  
    color:rgb(158, 246, 220)  
}
```

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(158, 246, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 246, 220) }
```

Border

The CSS property to change the border of an element to XYZ 59.9746, 78.3479, 79.6718 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(158, 246, 220) }
```


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

```
.border{ border-color:rgb(158, 246, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 246, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 246, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 246, 220);  
box-shadow:4px 4px 4px 4px rgb(158, 246,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9746, 78.3479, 79.6718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 246, 220) }
```

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

```
.background{ background-color: rgb(158,  
246, 220) }
```

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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