

Converting Colors

XYZ(64.4721, 80.3590, 93.7742)

Have a look what the booklet for
XYZ(64.4721, 80.3590, 93.7742)
contains.

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Color

**XYZ(64.4721, 80.3590,
93.7742)**

Conversions

Conversions Part 1

Format	Color
Hex	A7F6EF
RGB	167, 246, 239
RGB Percent	65%, 96%, 94%
CMY	0.3451, 0.0353, 0.0627
CMYK	0.32, 0.00, 0.03, 0.04
HSL	175°, 81%, 81%
HSV	175°, 32%, 96%
XYZ	64.4721, 80.3590, 93.7742
YIQ	221.5810, -44.8370, -18.9250

Conversions

Conversions Part 2

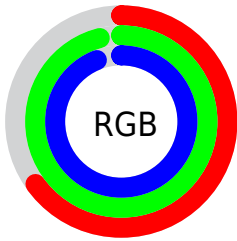
Format	Color
R_{YB}	167, 208, 246
Decimal	11007727
CIE _{Lab}	91.85, -25.53, -4.34
CIE _{LCh}	92, 25.899, 189.656
Yxy	80.3590, 0.2702, 0.3368
Android (android.graphics.Color)	4289197807 (0xFFA7F6EF)
YUV	221.5810, 8.5876, -47.8675
Hunter-Lab	89.6432, -28.4969, 0.7280

Details

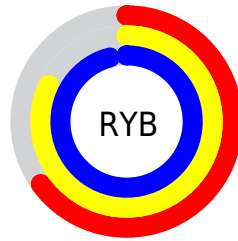
The XYZ color **64.4721, 80.3590, 93.7742** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.4675, 50.2885, 46.6198**, and the grayscale version is **69.1016, 72.7003, 79.1706**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **33.4269, 43.2588, 51.3878** is the 20% darker color. If you saturate the color by 10%, you get **59.4417, 77.8047, 91.8688**, and if you desaturate by 10%, it is **70.4996, 83.4309, 95.7500**.

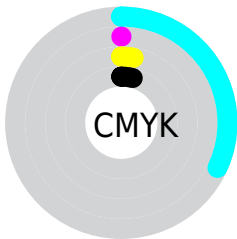
Distribution



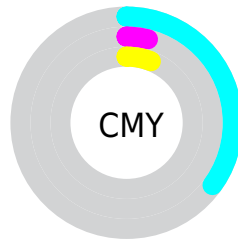
- Red (65%)
- Green (96%)
- Blue (94%)



- Red (65%)
- Yellow (82%)
- Blue (96%)



- Cyan (32%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)



- Cyan (35%)
- Magenta (4%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4721, 80.3590, 93.7742 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 64.4721, 80.3590, 93.7742 by changing the saturation by 10% instead.

64.4721, 80.3590,
93.7742

64.4721, 80.3590,
93.7742

430.4677,
496.1419, 561.1170

47.2963, 60.0138,
70.5239

110.3605,
133.8704, 154.5510

33.4788, 43.4298,
51.4743

139.8038,
167.8053, 192.9146

22.6545, 30.2225,
36.2069

174.0669,
207.0390, 237.1530

14.4579, 20.0075,
24.3031

213.5152,
251.9558, 287.6849

8.5237, 12.4005,
15.3443

258.5141,
302.9400, 344.9287

4.4864, 7.0171,
8.9121

309.4289,

1.9808, 3.4728,

360.3762, 409.3029

4.5879

366.6250,
424.6487, 481.2262

■ 0.6232, 1.3832,
1.9531

■ 0.0000, 0.2043,
0.5262

■ 64.4721, 80.3590,
93.7742

■ 64.4721, 80.3590,
93.7742

■ 59.4417, 77.8047,
91.8688

■ 70.4996, 83.4309,
95.7500

■ 55.3450, 75.7294,
90.0255

■ 77.5690, 87.0373,
97.7933

■ 52.1227, 74.1044,
88.2434

■ 85.7307, 91.2065,
99.9081

■ 49.7054, 72.8938,
86.5190

■ 91.0976, 93.9345,
101.9126

■ 48.0132, 72.0567,
84.8485

■ 91.4375, 94.0704,
103.7024

■ 46.9498, 71.5433,
83.2274

■ 91.7814, 94.2080,
105.5130

■ 46.4386, 71.3069,
81.9783

■ 92.1292, 94.3471,
107.3445

■ 92.2471, 94.3943,
107.9657

Harmonies

Analogous

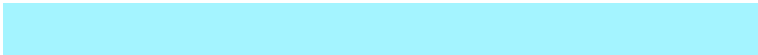
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.0234, 80.3590, 75.3921



64.4721, 80.3590, 93.7742



66.9658, 80.3590, 112.9654

Triad

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



64.4721, 80.3590, 93.7742



84.8190, 80.3590, 118.7719



80.9036, 80.3590, 57.4986

Complementary

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



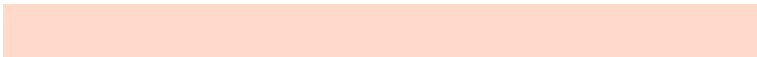
64.4721, 80.3590, 93.7742



59.4675, 50.2885, 46.6198

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.



86.6350, 80.3590, 66.1772



64.4721, 80.3590, 93.7742



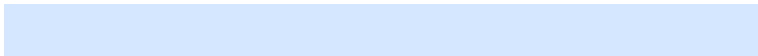
88.9848, 80.3590, 100.8335

Square

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



64.4721, 80.3590, 93.7742



78.5402, 80.3590, 128.7164



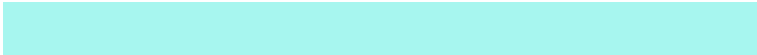
89.6680, 80.3590, 81.5069



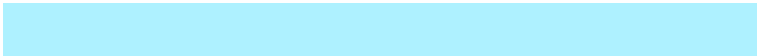
74.2575, 80.3590, 56.1766

Rectangle

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



64.4721, 80.3590, 93.7742



70.1093, 80.3590, 122.9948



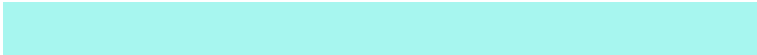
89.6680, 80.3590, 81.5069



83.0114, 80.3590, 59.5854

Sweetspot

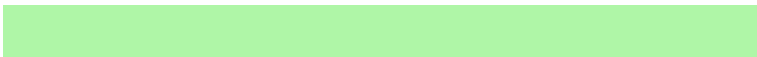
The Sweet Spot groups the original color and five complimentary colors.



64.4744, 80.3622, 93.7760



85.9210, 95.3357, 106.5843



57.5900, 77.8072, 48.5438



18.1369, 20.2762, 22.7451



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

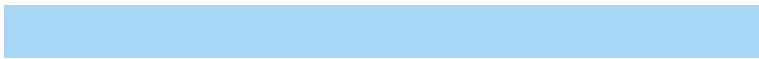
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4744, 80.3622, 93.7760



66.0463, 85.2083, 100.3033



56.7212, 63.1678, 96.3955



16.9296, 18.7310, 20.9138



24.8131, 38.0701, 43.8971



2.1991, 3.3533, 3.9542

Inverse Universe

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



59.4675, 50.2885, 46.6198



59.7870, 47.5797, 41.3279



65.3153, 63.0485, 45.2879



16.5588, 16.5064, 17.4230



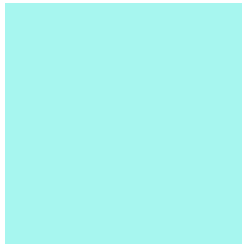
20.3835, 10.4968, 1.4618



1.8114, 0.9305, 0.2334

Previews

White Background



This preview shows how the XYZ color 64.4721, 80.3590, 93.7742 looks on a white background.

Color Contrast Check

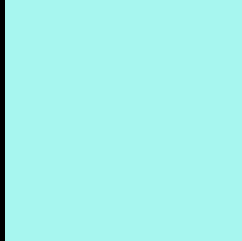
Large Text (above 18pt) WCAG AA × Fail

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 64.4721, 80.3590, 93.7742 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 64.4721, 80.3590, 93.7742

Background



This preview shows how black text looks on a background with the XYZ color 64.4721, 80.3590, 93.7742.

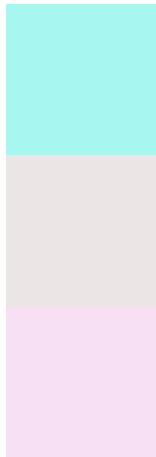


This preview shows how white text looks on a background with the XYZ color 64.4721, 80.3590,

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

64.4721, 80.3590, 93.7742

Protanopia

76.7006, 79.9129, 85.5109

Deuteranopia

81.3426, 79.6171, 96.6684



Tritanopia

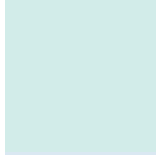
69.9491, 80.2315, 106.4073

Trichromacy



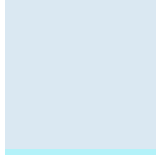
Original Color

64.4721, 80.3590, 93.7742



Protanomaly

71.2818, 79.5757, 88.6935



Deuteranomaly

73.7971, 79.0295, 95.3691



Tritanomaly

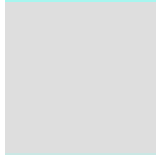
67.6734, 80.0471, 101.5064

Monochromacy



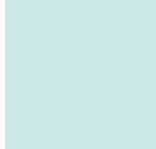
Original Color

64.4721, 80.3590, 93.7742



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.9366, 75.3098, 84.4071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4721, 80.3590, 93.7742 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(167, 246, 239)` looks like.

```
.text, #text, p{  
    color:rgb(167, 246, 239)  
}
```

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(167, 246, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 246, 239) }
```

Border

The CSS property to change the border of an element to XYZ 64.4721, 80.3590, 93.7742 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(167, 246, 239) }
```


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

```
.border{ border-color:rgb(167, 246, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 246, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 246, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 246, 239);  
box-shadow:4px 4px 4px 4px rgb(167, 246,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4721, 80.3590, 93.7742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 246, 239) }
```

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

```
.background{ background-color: rgb(167,  
246, 239) }
```

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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