

Converting Colors

XYZ(63.9198, 81.9868, 90.1990)

Have a look what the booklet for
XYZ(63.9198, 81.9868, 90.1990)
contains.

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Color

**XYZ(63.9372, 81.9931,
90.2983)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A2FAEA |
| RGB | 162, 250, 234 |
| RGB Percent | 64%, 98%, 92% |
| CMY | 0.3647, 0.0196, 0.0823 |
| CMYK | 0.35, 0.00, 0.06, 0.02 |
| HSL | 169°, 90%, 81% |
| HSV | 169°, 35%, 98% |
| XYZ | 63.9372, 81.9931, 90.2983 |
| YIQ | 221.8640, -47.3120, -23.6320 |

Conversions

Conversions Part 2

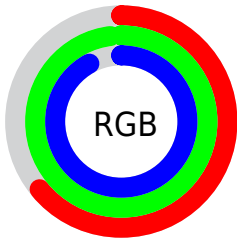
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 162, 210, 250 |
| Decimal | 10681066 |
| CIELab | 92.57, -29.88, -0.71 |
| CIELCh | 93, 29.889, 181.364 |
| Yxy | 81.9931, 0.2707, 0.3471 |
| Android (android.graphics.Color) | 4288871146 (0xFFA2FAEA) |
| YUV | 221.8640, 5.9830, -52.5007 |
| Hunter-Lab | 90.5500, -32.4241, 4.2599 |

Details

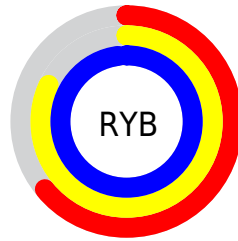
The XYZ color **63.9372, 81.9931, 90.2983** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.3834, 49.3813, 48.4717**, and the grayscale version is **69.3201, 72.9302, 79.4210**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **33.0497, 44.4185, 48.9512** is the 20% darker color. If you saturate the color by 10%, you get **58.7106, 79.3753, 86.6893**, and if you desaturate by 10%, it is **70.1948, 85.1446, 94.0466**.

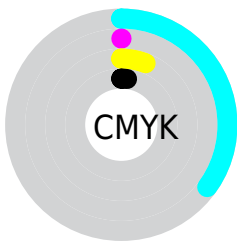
Distribution



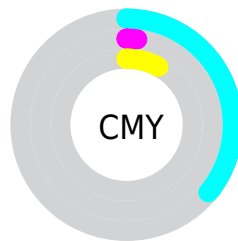
- Red (64%)
- Green (98%)
- Blue (92%)



- Red (64%)
- Yellow (82%)
- Blue (98%)



- Cyan (35%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (36%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9372, 81.9931, 90.2983 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 63.9372, 81.9931, 90.2983 by changing the saturation by 10% instead.


 63.9372, 81.9931,
90.2983


 63.9372, 81.9931,
90.2983


428.5686,
501.6246, 549.5959

 46.8613, 61.3598,
67.6530


 109.5947,
136.1643, 149.6918

 33.1335, 44.5156,
49.1505


 138.9071,
170.4711, 187.2771

 22.3885, 31.0761,
34.3725


173.0289,
210.1045, 230.6794

 14.2608, 20.6568,
22.9002

212.3257,
255.4489, 280.3173

 8.3852, 12.8734,
14.3152

257.1627,
306.8887, 336.6094

 4.3963, 7.3414,
8.1990

307.9053,

 1.9287, 3.6765,

364.8083, 399.9742

4.1329

364.9188,
429.5922, 470.8301

■ 0.5934, 1.4943,
1.6986

■ 0.0000, 0.2847,
0.3597

■ 63.9372, 81.9931,
90.2983

■ 63.9372, 81.9931,
90.2983

■ 58.7106, 79.3753,
86.6893

■ 70.1948, 85.1446,
94.0466

■ 54.4477, 77.2502,
83.2104

■ 77.5316, 88.8485,
97.9318

■ 51.0841, 75.5869,
79.8598

■ 86.0012, 93.1344,
101.9588

■ 48.5447, 74.3466,
76.6334

■ 93.0273, 96.6742,
106.0077

■ 46.7418, 73.4841,
73.5263

■ 93.4770, 96.8540,
108.3757

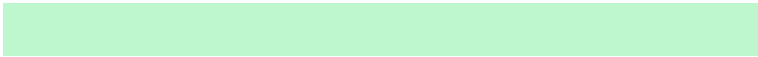
■ 45.5674, 72.9437,
70.5328

■ 45.1512, 72.7597,
69.1325

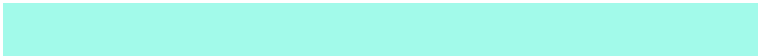
Harmonies

Analogous

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



65.5475, 81.9931, 70.3105



63.9372, 81.9931, 90.2983



65.8647, 81.9931, 113.4347

Triad

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



63.9372, 81.9931, 90.2983



85.9648, 81.9931, 130.9961



85.3093, 81.9931, 56.7577

Complementary

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



63.9372, 81.9931, 90.2983



60.3834, 49.3813, 48.4717

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.



91.3899, 81.9931, 68.8177



63.9372, 81.9931, 90.2983



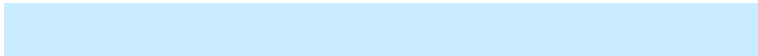
91.7857, 81.9931, 111.3790

Square

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



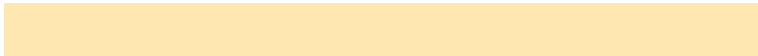
63.9372, 81.9931, 90.2983



78.2879, 81.9931, 139.2153



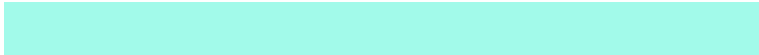
93.8330, 81.9931, 88.2625



77.5771, 81.9931, 52.9860

Rectangle

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



63.9372, 81.9931, 90.2983



68.9758, 81.9931, 127.0198



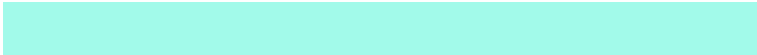
93.8330, 81.9931, 88.2625



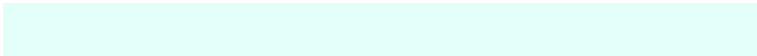
87.6317, 81.9931, 59.8656

Sweetspot

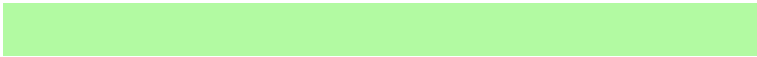
The Sweet Spot groups the original color and five complimentary colors.



63.9395, 81.9964, 90.3002



84.6623, 94.7386, 104.1838



59.1005, 80.4640, 46.6002



17.8691, 20.1504, 22.1779



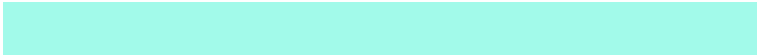
0.0000, 0.0000, 0.0000



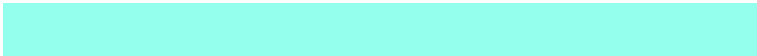
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9395, 81.9964, 90.3002



63.0259, 83.8351, 91.8549



58.3148, 66.8998, 100.2856



17.6224, 19.5512, 21.4783



23.9980, 38.6122, 36.9285



2.2567, 3.5898, 3.5996

Inverse Universe

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



60.3834, 49.3813, 48.4717



58.8241, 45.2124, 42.3681



64.3333, 59.7044, 42.3174



17.3735, 17.2768, 18.5565



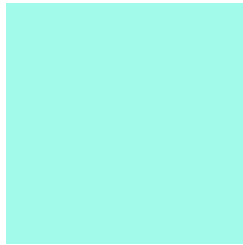
21.2052, 10.8978, 2.5231



1.9980, 1.0229, 0.4127

Previews

White Background



This preview shows how the XYZ color 63.9372, 81.9931, 90.2983 looks on a white background.

Color Contrast Check

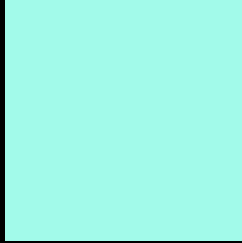
Large Text (above 18pt) WCAG AA × Fail

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 63.9372, 81.9931, 90.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

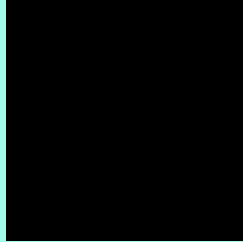
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9372, 81.9931, 90.2983

Background



This preview shows how black text looks on a background with the XYZ color 63.9372, 81.9931, 90.2983.



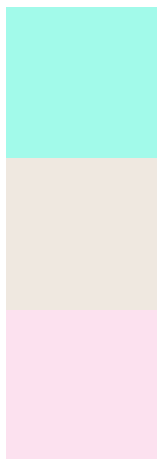
This preview shows how white text looks on a background with the XYZ color 63.9372, 81.9931,

90.2983.

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

63.9372, 81.9931, 90.2983

Protanopia

77.9078, 81.4458, 82.1354

Deuteranopia

82.6501, 80.7779, 92.8969



Tritanopia

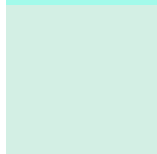
71.4976, 81.4681, 106.5643

Trichromacy



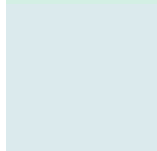
Original Color

63.9372, 81.9931, 90.2983



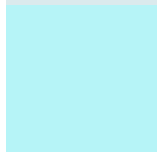
Protanomaly

71.7341, 81.1833, 85.2879



Deuteranomaly

73.9223, 80.0201, 91.6701



Tritanomaly

68.4306, 81.3619, 100.0934

Monochromacy



Original Color

63.9372, 81.9931, 90.2983



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.4035, 75.4836, 83.0215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9372, 81.9931, 90.2983 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, 250, 234)` looks like.

```
.text, #text, p{  
    color:rgb(162, 250, 234)  
}
```

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, 250, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 250, 234) }
```

Border

The CSS property to change the border of an element to XYZ 63.9372, 81.9931, 90.2983 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, 250, 234) }
```


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

```
.border{ border-color:rgb(162, 250, 234) }
```

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

Here you see how a box with a 4 pixel rgb(162, 250, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 250, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 250, 234);  
box-shadow:4px 4px 4px 4px rgb(162, 250,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9372, 81.9931, 90.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 250, 234) }
```

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

```
.background{ background-color: rgb(162,  
250, 234) }
```

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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