

Converting Colors

XYZ(64.2444, 81.5529, 96.6371)

Have a look what the booklet for
XYZ(64.2444, 81.5529, 96.6371)
contains.

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Color

**XYZ(64.2008, 81.5331,
96.3581)**

Conversions

Conversions Part 1

Format	Color
Hex	9FF9F2
RGB	159, 249, 242
RGB Percent	62%, 98%, 95%
CMY	0.3765, 0.0235, 0.0510
CMYK	0.36, 0.00, 0.03, 0.02
HSL	175°, 88%, 80%
HSV	175°, 36%, 98%
XYZ	64.2008, 81.5331, 96.3581
YIQ	221.2920, -51.3930, -21.2570

Conversions

Conversions Part 2

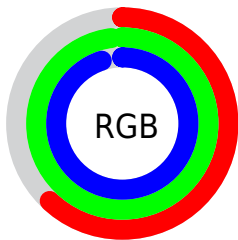
Format	Color
R_{YB}	159, 206, 249
Decimal	10484210
CIE _{Lab}	92.37, -28.40, -5.17
CIE _{LCh}	92, 28.870, 190.326
Yxy	81.5331, 0.2652, 0.3368
Android (android.graphics.Color)	4288674290 (0xFF9FF9F2)
YUV	221.2920, 10.2090, -54.6301
Hunter-Lab	90.2957, -31.1028, -0.0637

Details

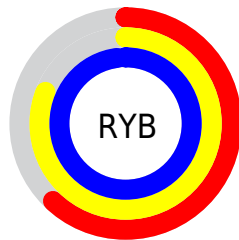
The XYZ color **64.2008, 81.5331, 96.3581** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.3509, 47.6916, 42.2096**, and the grayscale version is **68.8907, 72.4784, 78.9290**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **33.3061, 44.1280, 53.2165** is the 20% darker color. If you saturate the color by 10%, you get **59.4628, 79.1260, 94.6270**, and if you desaturate by 10%, it is **69.9412, 84.4606, 98.1558**.

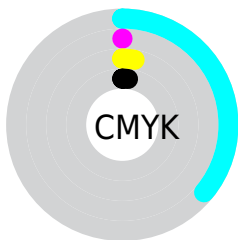
Distribution



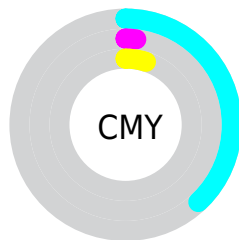
- Red (62%)
- Green (98%)
- Blue (95%)



- Red (62%)
- Yellow (81%)
- Blue (98%)



- Cyan (36%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)



- Cyan (38%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2008, 81.5331, 96.3581 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 64.2008, 81.5331, 96.3581 by changing the saturation by 10% instead.

64.2008, 81.5331,
96.3581

64.2008, 81.5331,
96.3581

429.5051,
500.0846, 569.5987

47.0756, 60.9808,
72.6627

109.9722,
135.5191, 158.1512

33.3036, 44.2096,
53.2101

139.3491,
169.7215, 197.0860

22.5195, 30.8354,
37.5816

173.5406,
209.2427, 241.9378

14.3579, 20.4735,
25.3588

212.9122,
254.4671, 293.1249

8.4533, 12.7397,
16.1231

257.8290,
305.7791, 351.0661

4.4406, 7.2496,
9.4560

308.6566,

1.9543, 3.6187,

363.5631, 416.1797

4.9390

365.7602,
428.2034, 488.8844

0.6081, 1.4626,
2.1534

0.0000, 0.2622,
0.6473

64.2008, 81.5331,
96.3581

64.2008, 81.5331,
96.3581

59.4628, 79.1260,
94.6270

69.9412, 84.4606,
98.1558

55.6600, 77.1987,
92.9539


76.7320, 87.9272,
100.0170


52.7282, 75.7201,
91.3376


84.6265, 91.9625,
101.9460


50.5921, 74.6513,
89.7745


92.3334, 95.9007,
103.8825


 49.1636, 73.9469,
88.2603

 92.6385, 96.0227,
105.4889

 48.3332, 73.5504,
86.7901

 92.9467, 96.1460,
107.1117

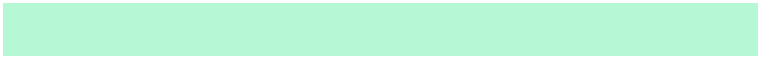
 48.1081, 73.4465,
86.2318

 93.1671, 96.2341,
108.2724

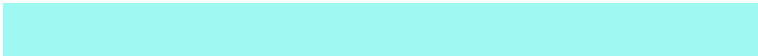
Harmonies

Analogous

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



64.7369, 81.5331, 75.6296



64.2008, 81.5331, 96.3581



67.0484, 81.5331, 118.1576

Triad

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



64.2008, 81.5331, 96.3581



87.1702, 81.5331, 123.9891



82.4337, 81.5331, 55.3911

Complementary

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



64.2008, 81.5331, 96.3581



58.3509, 47.6916, 42.2096

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.



88.9735, 81.5331, 64.7194



64.2008, 81.5331, 96.3581



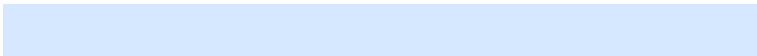
91.8274, 81.5331, 103.3632

Square

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



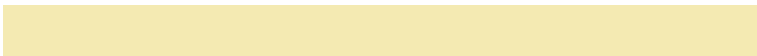
64.2008, 81.5331, 96.3581



80.0990, 81.5331, 135.7263



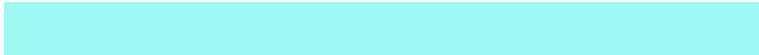
92.5078, 81.5331, 81.6019



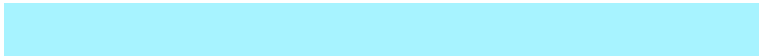
74.9476, 81.5331, 54.1333

Rectangle

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



64.2008, 81.5331, 96.3581



70.5967, 81.5331, 129.5449



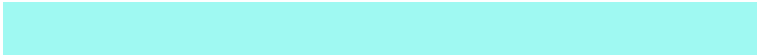
92.5078, 81.5331, 81.6019



84.8281, 81.5331, 57.6065

Sweetspot

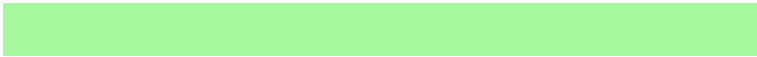
The Sweet Spot groups the original color and five complimentary colors.



64.2032, 81.5363, 96.3600



85.1233, 94.9230, 106.6116



55.9671, 78.4190, 44.9893



17.9797, 20.1947, 22.7602



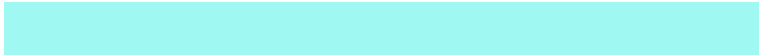
0.0000, 0.0000, 0.0000



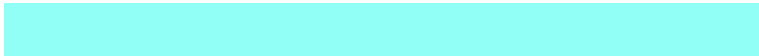
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2032, 81.5363, 96.3600



64.2054, 84.2542, 100.4449



54.8182, 61.0506, 98.5209



17.7041, 19.5839, 21.9084



25.7748, 39.3229, 46.2851



2.4040, 3.6487, 4.3754

Inverse Universe

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



58.3509, 47.6916, 42.2096



57.2418, 43.9471, 35.9858



65.1807, 62.3516, 41.4023



17.2994, 17.2471, 18.1664



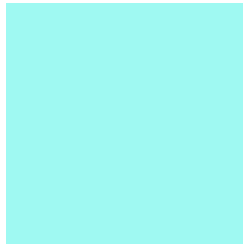
20.9959, 10.8141, 1.4209



1.9629, 1.0089, 0.2280

Previews

White Background



This preview shows how the XYZ color 64.2008, 81.5331, 96.3581 looks on a white background.

Color Contrast Check

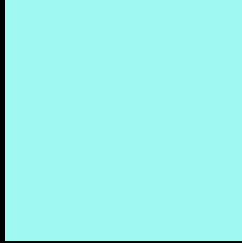
Large Text (above 18pt) WCAG AA × Fail

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 64.2008, 81.5331, 96.3581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

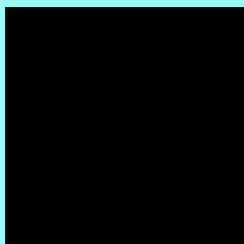
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

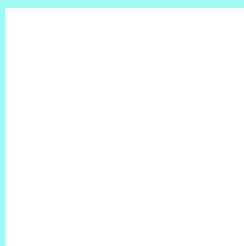
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2008, 81.5331, 96.3581

Background



This preview shows how black text looks on a background with the XYZ color 64.2008, 81.5331, 96.3581.

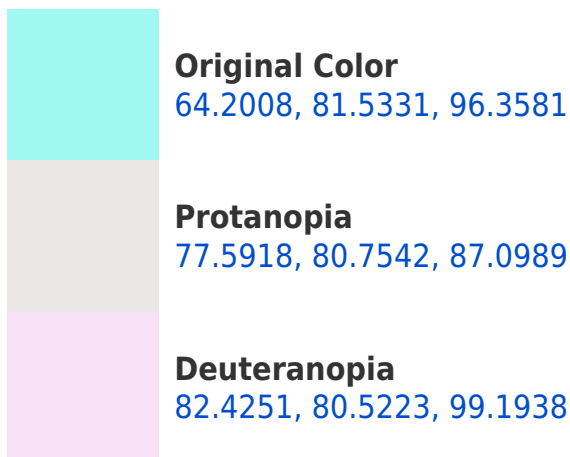


This preview shows how white text looks on a background with the XYZ color 64.2008, 81.5331,

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

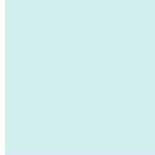
70.7405, 81.0777, 106.5289

Trichromacy



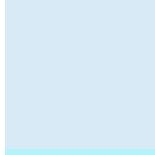
Original Color

64.2008, 81.5331, 96.3581



Protanomaly

71.5824, 80.5571, 90.3735



Deuteranomaly

74.2232, 80.0371, 97.9229



Tritanomaly

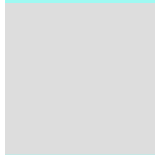
68.1964, 81.1872, 102.5188

Monochromacy



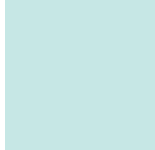
Original Color

64.2008, 81.5331, 96.3581



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.0075, 74.8147, 85.0905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2008, 81.5331, 96.3581 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(159, 249, 242)` looks like.

```
.text, #text, p{  
    color:rgb(159, 249, 242)  
}
```

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(159, 249, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 249, 242) }
```

Border

The CSS property to change the border of an element to XYZ 64.2008, 81.5331, 96.3581 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(159, 249, 242) }
```


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

```
.border{ border-color:rgb(159, 249, 242) }
```

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

Here you see how a box with a 4 pixel rgb(159, 249, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 249, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 249, 242);  
box-shadow:4px 4px 4px 4px rgb(159, 249,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2008, 81.5331, 96.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 249, 242) }
```

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

```
.background{ background-color: rgb(159,  
249, 242) }
```

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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