

Converting Colors

XYZ(64.3228, 80.3276, 98.2541)

Have a look what the booklet for
XYZ(64.3228, 80.3276, 98.2541)
contains.

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Color

**XYZ(64.3375, 80.1855,
98.4726)**

Conversions

Conversions Part 1

Format	Color
Hex	A2F6F5
RGB	162, 246, 245
RGB Percent	64%, 96%, 96%
CMY	0.3647, 0.0353, 0.0392
CMYK	0.34, 0.00, 0.00, 0.04
HSL	179°, 82%, 80%
HSV	179°, 34%, 96%
XYZ	64.3375, 80.1855, 98.4726
YIQ	220.7700, -49.7430, -18.1190

Conversions

Conversions Part 2

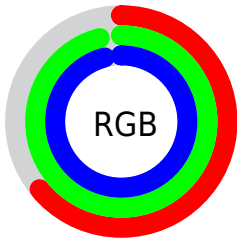
Format	Color
R _Y B	162, 204, 246
Decimal	10680053
CIE Lab	91.77, -25.50, -7.60
CIE LCh	92, 26.613, 196.603
Yxy	80.1855, 0.2648, 0.3300
Android (android.graphics.Color)	4288870133 (0xFFA2F6F5)
YUV	220.7700, 11.9454, -51.5413
Hunter-Lab	89.5464, -28.4570, -2.5178

Details

The XYZ color **64.3375, 80.1855, 98.4726** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.5400, 48.0802, 40.9011**, and the grayscale version is **68.5118, 72.0797, 78.4948**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **33.3268, 43.1335, 54.7132** is the 20% darker color. If you saturate the color by 10%, you get **59.7768, 77.8415, 98.0270**, and if you desaturate by 10%, it is **69.8805, 83.0398, 98.9680**.

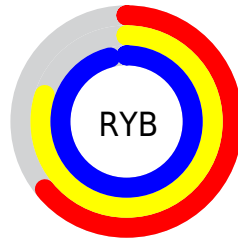
Distribution



Red (64%)

Green (96%)

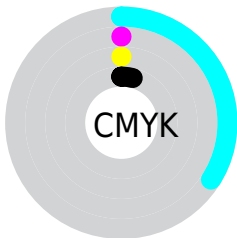
Blue (96%)



Red (64%)

Yellow (80%)

Blue (96%)

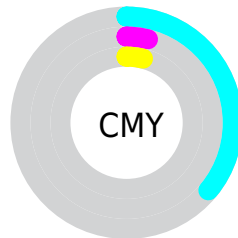


Cyan (34%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (36%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3375, 80.1855, 98.4726 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 64.3375, 80.1855, 98.4726 by changing the saturation by 10% instead.

64.3375, 80.1855,
98.4726

64.3375, 80.1855,
98.4726

429.9903,
495.5578, 576.4893

47.1868, 59.8710,
74.4158

110.1679,
133.6265, 161.0901

33.3919, 43.3147,
54.6356

139.5782,
167.5218, 200.4879

22.5875, 30.1321,
38.7134

173.8059,
206.7128, 245.8365

14.4082, 19.9389,
26.2307

213.2161,
251.5840, 297.5543

8.4887, 12.3506,
16.7690

258.1743,
302.5197, 356.0600

4.4637, 6.9829,
9.9097

309.0458,

1.9676, 3.4514,

359.9043, 421.7720

5.2343

366.1961,
424.1222, 495.1089

0.6157, 1.3717,
2.3243

0.0000, 0.1957,
0.7448

64.3375, 80.1855,
98.4726

64.3375, 80.1855,
98.4726

59.7768, 77.8415,
98.0270

69.8805, 83.0398,
98.9680

56.1340, 75.9687,
97.6230


76.4513, 86.4220,
99.5101


53.3483, 74.5378,
97.2596


84.1010, 90.3604,
100.1031


51.3486, 73.5121,
96.9332


90.8588, 93.8389,
100.6547


 50.0522, 72.8489,
96.6402


 90.9039, 93.8570,
100.8926


 49.3584, 72.4964,
96.3757

 90.9492, 93.8751,
101.1308

 49.1450, 72.3894,
96.2300

 90.9945, 93.8932,
101.3694

 91.0399, 93.9113,
101.6084

 91.0853, 93.9295,
101.8477

Harmonies

Analogous

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



64.1682, 80.1855, 78.9016



64.3375, 80.1855, 98.4726



67.5638, 80.1855, 117.5024

Triad

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



64.3375, 80.1855, 98.4726



86.1336, 80.1855, 115.7025



79.2894, 80.1855, 55.6629

Complementary

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



64.3375, 80.1855, 98.4726



57.5400, 48.0802, 40.9011

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.



85.5725, 80.1855, 62.7880



64.3375, 80.1855, 98.4726



89.6800, 80.1855, 96.2920

Square

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



64.3375, 80.1855, 98.4726



80.0185, 80.1855, 128.4194



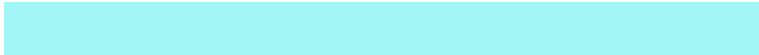
89.4687, 80.1855, 77.0216



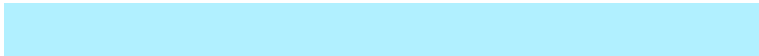
72.5319, 80.1855, 56.0663

Rectangle

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



64.3375, 80.1855, 98.4726



71.1297, 80.1855, 126.4629



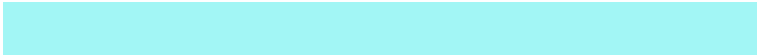
89.4687, 80.1855, 77.0216



81.5348, 80.1855, 57.2057

Sweetspot

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



64.3399, 80.1887, 98.4745



86.2339, 95.4608, 108.2318



54.6661, 76.3522, 46.0404



18.2132, 20.3067, 23.1469



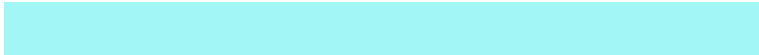
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.3399, 80.1887, 98.4745



66.2703, 85.1867, 106.5076



53.4644, 58.1921, 95.6067



16.9877, 18.7542, 21.2195



26.2347, 38.6387, 51.3831



2.3085, 3.3970, 4.5303

Inverse Universe

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



57.5400, 48.0802, 40.9011



57.8611, 45.4737, 35.3040



65.7921, 64.7275, 43.2102



16.5072, 16.4857, 17.1514



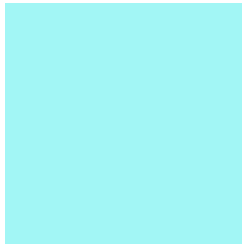
20.2983, 10.4628, 1.0135



1.7868, 0.9207, 0.1036

Previews

White Background



This preview shows how the XYZ color 64.3375, 80.1855, 98.4726 looks on a white background.

Color Contrast Check

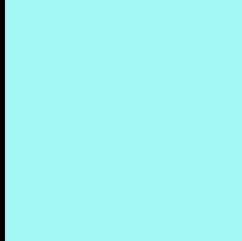
Large Text (above 18pt) WCAG AA × Fail

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 64.3375, 80.1855, 98.4726 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 64.3375, 80.1855, 98.4726

Background



This preview shows how black text looks on a background with the XYZ color 64.3375, 80.1855, 98.4726.

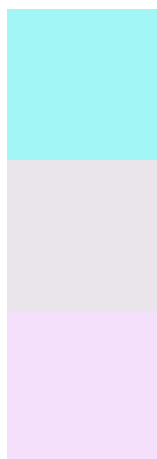


This preview shows how white text looks on a background with the XYZ color 64.3375, 80.1855,

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

64.3375, 80.1855, 98.4726

Protanopia

76.6190, 79.3604, 89.8771

Deuteranopia

81.2192, 79.4465, 101.4965



Tritanopia

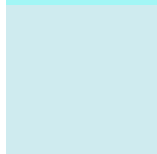
69.2177, 79.8545, 106.3730

Trichromacy



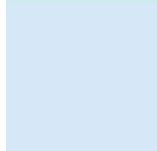
Original Color

64.3375, 80.1855, 98.4726



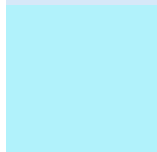
Protanomaly

71.0204, 78.9141, 93.1501



Deuteranomaly

73.5314, 78.7867, 100.1388



Tritanomaly

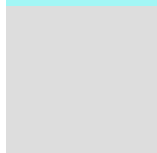
67.2962, 79.8164, 103.1260

Monochromacy



Original Color

64.3375, 80.1855, 98.4726



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.3992, 74.5862, 85.7599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3375, 80.1855, 98.4726 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(162, 246, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 246, 245) }
```

Border

The CSS property to change the border of an element to XYZ 64.3375, 80.1855, 98.4726 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, 245) }
```


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

```
.border{ border-color:rgb(162, 246, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 246, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 246, 245);  
box-shadow:4px 4px 4px 4px rgb(162, 246,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3375, 80.1855, 98.4726 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, 245) }
```

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

```
.background{ background-color: rgb(162,  
246, 245) }
```

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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