

Converting Colors

XYZ(67.1513, 82.8023, 96.4328)

Have a look what the booklet for
XYZ(67.1513, 82.8023, 96.4328)
contains.

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Color

**XYZ(67.0500, 82.5443,
96.4031)**

Conversions

Conversions Part 1

Format	Color
Hex	AEF8F2
RGB	174, 248, 242
RGB Percent	68%, 97%, 95%
CMY	0.3176, 0.0274, 0.0510
CMYK	0.30, 0.00, 0.02, 0.03
HSL	175°, 84%, 83%
HSV	175°, 30%, 97%
XYZ	67.0500, 82.5443, 96.4031
YIQ	225.1900, -42.1780, -17.5540

Conversions

Conversions Part 2

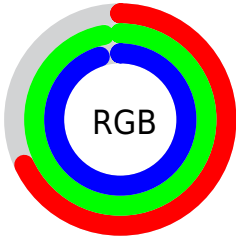
Format	Color
RYB	174, 213, 248
Decimal	11466994
CIELab	92.81, -23.93, -4.44
CIELCh	93, 24.337, 190.501
Yxy	82.5443, 0.2726, 0.3355
Android (android.graphics.Color)	4289657074 (0xFFAEF8F2)
YUV	225.1900, 8.2873, -44.8936
Hunter-Lab	90.8539, -27.2617, 0.6864

Details

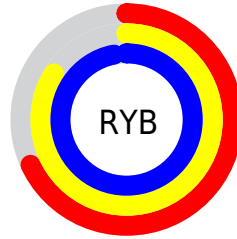
The XYZ color **67.0500, 82.5443, 96.4031** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.0886, 53.5262, 50.2425**, and the grayscale version is **71.6706, 75.4031, 82.1140**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **35.1015, 44.7287, 53.2378** is the 20% darker color. If you saturate the color by 10%, you get **61.7270, 79.8370, 94.5869**, and if you desaturate by 10%, it is **73.4012, 85.7854, 98.2883**.

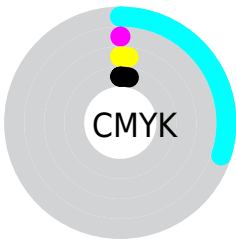
Distribution



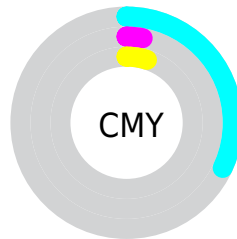
- Red (68%)
- Green (97%)
- Blue (95%)



- Red (68%)
- Yellow (84%)
- Blue (97%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)





- Cyan (32%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0500, 82.5443, 96.4031 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 67.0500, 82.5443, 96.4031 by changing the saturation by 10% instead.


 67.0500, 82.5443,
96.4031

 67.0500, 82.5443,
96.4031


439.5524,
503.4665, 569.7458

 49.3961, 61.8143,
72.7000

 114.0415,
136.9370, 158.2138

 35.1496, 44.8827,
53.2404

144.1097,
171.3685, 197.1586

 23.9452, 31.3650,
37.6057


179.0468,
211.1360, 242.0209

 15.4175, 20.8770,
25.3773

219.2181,
256.6238, 293.2194

 9.2011, 13.0341,
16.1368

264.9890,
308.2164, 351.1726

 4.9308, 7.4520,
9.4656

316.7248,

 2.2410, 3.7464,

366.2981, 416.2991

4.9452

374.7908,
431.2534, 489.0173

■ 0.7642, 1.5327,
2.1570

■ 0.0000, 0.3116,
0.6494

■ 67.0500, 82.5443,
96.4031

■ 67.0500, 82.5443,
96.4031

■ 61.7270, 79.8370,
94.5869

■ 73.4012, 85.7854,
98.2883

■ 57.3687, 77.6246,
92.8314

■ 80.8252, 89.5772,
100.2393

■ 53.9159, 75.8785,
91.1356

■ 89.3729, 93.9478,
102.2604

■ 51.2997, 74.5634,
89.4960

■ 92.0718, 95.3029,
104.0253

■ 49.4416, 73.6387,
87.9091

■ 92.3891, 95.4298,
105.6963

■ 48.2479, 73.0562,
86.3703

■ 92.7098, 95.5581,
107.3851

■ 47.5662, 72.7372,
84.8726

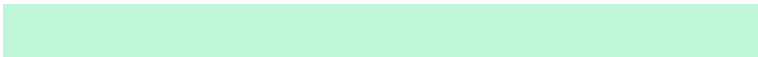
■ 92.8588, 95.6177,
108.1696

■ 47.5567, 72.7328,
84.8486

Harmonies

Analogous

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



67.4976, 82.5443, 78.7002



67.0500, 82.5443, 96.4031



69.5310, 82.5443, 114.5598

Triad

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



67.0500, 82.5443, 96.4031



86.6578, 82.5443, 119.1819



82.6033, 82.5443, 60.7738

Complementary

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



67.0500, 82.5443, 96.4031



62.0886, 53.5262, 50.2425

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.



88.1135, 82.5443, 69.0211



67.0500, 82.5443, 96.4031



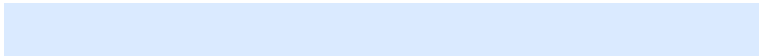
90.5404, 82.5443, 102.0642

Square

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



67.0500, 82.5443, 96.4031



80.7028, 82.5443, 128.8398



91.0870, 82.5443, 83.6517



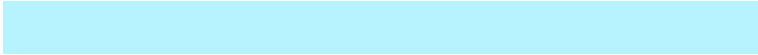
76.2511, 82.5443, 59.6863

Rectangle

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



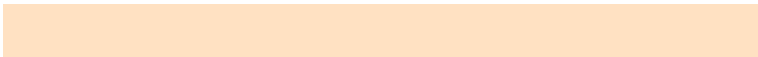
67.0500, 82.5443, 96.4031



72.5946, 82.5443, 123.8850



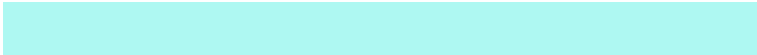
91.0870, 82.5443, 83.6517



84.6244, 82.5443, 62.7424

Sweetspot

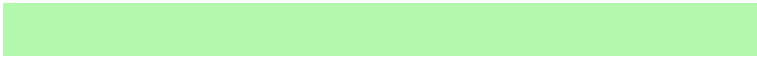
The Sweet Spot groups the original color and five complimentary colors.



67.0524, 82.5476, 96.4050



86.8066, 95.7848, 106.9572



60.0712, 79.9175, 52.3056



18.3148, 20.3663, 22.8272



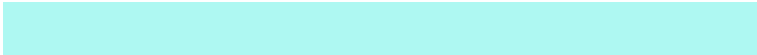
0.0000, 0.0000, 0.0000



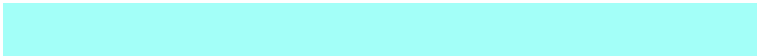
20.3446, 21.4041, 23.3091

Same Dimension

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



67.0524, 82.5476, 96.4050



67.7793, 86.0773, 101.4862



59.2572, 65.4904, 98.3285



17.7015, 19.5829, 21.8946



25.7140, 39.2986, 45.9648



2.3990, 3.6467, 4.3491

Inverse Universe

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



62.0886, 53.5262, 50.2425



61.6898, 50.4523, 44.8386



68.1458, 66.5982, 49.3092



17.3017, 17.2481, 18.1788



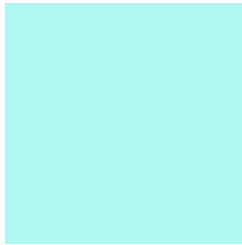
21.0003, 10.8159, 1.4443



1.9640, 1.0093, 0.2339

Previews

White Background



This preview shows how the XYZ color 67.0500, 82.5443, 96.4031 looks on a white background.

Color Contrast Check

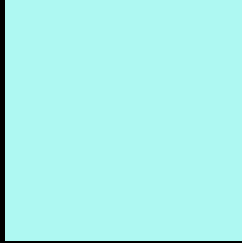
Large Text (above 18pt) WCAG AA × Fail

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 67.0500, 82.5443, 96.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

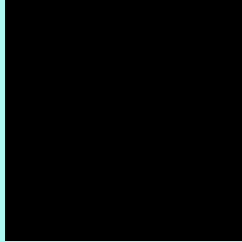
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.0500, 82.5443, 96.4031

Background



This preview shows how black text looks on a background with the XYZ color 67.0500, 82.5443, 96.4031.

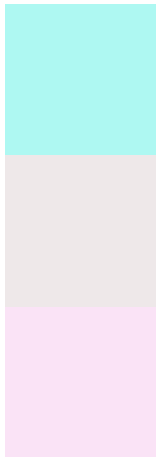


This preview shows how white text looks on a background with the XYZ color 67.0500, 82.5443,

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

67.0500, 82.5443, 96.4031

Protanopia

78.8245, 81.7736, 88.7202

Deuteranopia

83.5280, 81.9160, 98.5977



Tritanopia

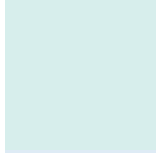
72.7940, 82.1364, 106.6250

Trichromacy



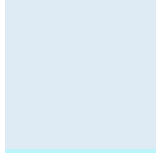
Original Color

67.0500, 82.5443, 96.4031



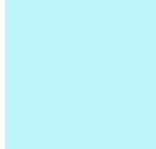
Protanomaly

73.7392, 81.6523, 91.2309



Deuteranomaly

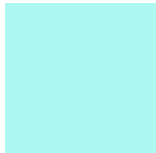
76.3140, 81.5388, 98.1026



Tritanomaly

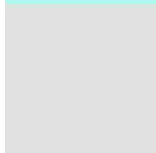
70.5923, 82.4223, 102.6310

Monochromacy



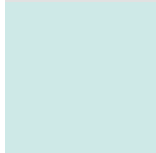
Original Color

67.0500, 82.5443, 96.4031



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.0163, 77.1692, 86.8589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0500, 82.5443, 96.4031 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(174, 248, 242)` looks like.

```
.text, #text, p{  
    color:rgb(174, 248, 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(174, 248, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 248, 242) }
```

Border

The CSS property to change the border of an element to XYZ 67.0500, 82.5443, 96.4031 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(174, 248, 242) }
```


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

```
.border{ border-color:rgb(174, 248, 242) }
```

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

Here you see how a box with a 4 pixel rgb(174, 248, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 248, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 248, 242);  
box-shadow:4px 4px 4px 4px rgb(174, 248,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0500, 82.5443, 96.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 248, 242) }
```

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

```
.background{ background-color: rgb(174,  
248, 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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