

Converting Colors

XYZ(68.6233, 82.3395, 97.1789)

Have a look what the booklet for
XYZ(68.6233, 82.3395, 97.1789)
contains.

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Color

**XYZ(68.6619, 82.4499,
97.0896)**

Conversions

Conversions Part 1

Format	Color
Hex	B7F6F3
RGB	183, 246, 243
RGB Percent	72%, 96%, 95%
CMY	0.2823, 0.0353, 0.0471
CMYK	0.26, 0.00, 0.01, 0.04
HSL	177°, 78%, 84%
HSV	177°, 26%, 96%
XYZ	68.6619, 82.4499, 97.0896
YIQ	226.8210, -36.5850, -14.2890

Conversions

Conversions Part 2

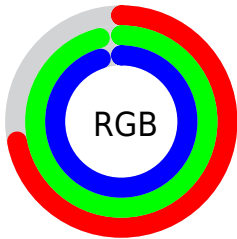
Format	Color
RYB	183, 215, 246
Decimal	12056307
CIELab	92.77, -20.21, -4.96
CIElCh	93, 20.812, 193.793
Yxy	82.4499, 0.2766, 0.3322
Android (android.graphics.Color)	4290246387 (0xFFB7F6F3)
YUV	226.8210, 7.9762, -38.4310
Hunter-Lab	90.8019, -23.9266, 0.1658

Details

The XYZ color **68.6619, 82.4499, 97.0896** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.8054, 57.0073, 54.0983**, and the grayscale version is **72.8485, 76.6423, 83.4635**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **36.2852, 45.0040, 53.7879** is the 20% darker color. If you saturate the color by 10%, you get **63.1384, 79.6250, 95.9113**, and if you desaturate by 10%, it is **75.2139, 85.8092, 98.3254**.

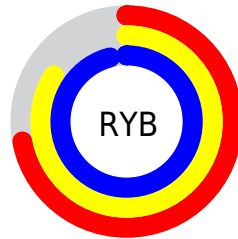
Distribution



Red (72%)

Green (96%)

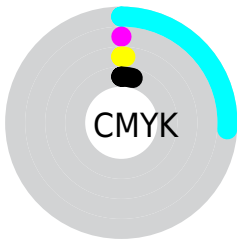
Blue (95%)



Red (72%)

Yellow (84%)

Blue (96%)

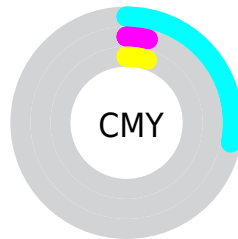


Cyan (26%)

Magenta (0%)

Yellow (1%)

Black (4%)



Cyan (28%)

Magenta (4%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6619, 82.4499, 97.0896 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 68.6619, 82.4499, 97.0896 by changing the saturation by 10% instead.

68.6619, 82.4499,
97.0896

68.6619, 82.4499,
97.0896

445.1777,
503.1513, 571.9875

50.7120, 61.7364,
73.2689

116.3353,
136.8047, 159.1687

36.1996, 44.8198,
53.7027

146.7895,
171.2149, 198.2641

24.7592, 31.3155,
37.9725

182.1425,
210.9594, 243.2882

16.0255, 20.8392,
25.6597

222.7597,
256.4227, 294.6595

9.6332, 13.0065,
16.3457

269.0065,
307.9892, 352.7965

5.2168, 7.4330,
9.6121

321.2482,

2.4111, 3.7344,

366.0432, 418.1179

5.0403

379.8501,
430.9691, 491.0420

■ 0.8506, 1.5261,
2.2118

■ 0.0000, 0.3070,
0.6812

■ 68.6619, 82.4499,
97.0896

■ 68.6619, 82.4499,
97.0896

■ 63.1384, 79.6250,
95.9113

■ 75.2139, 85.8092,
98.3254

■ 58.5831, 77.2969,
94.7825

■ 82.8366, 89.7182,
99.6155

■ 54.9403, 75.4391,
93.7023

■ 90.9116, 93.8602,
100.9327

■ 52.1458, 74.0185,
92.6676

■ 91.0927, 93.9326,
101.8864

■ 50.1271, 72.9976,
91.6751

■ 91.2750, 94.0055,
102.8461

■ 48.7994, 72.3330,
90.7208

■ 91.4584, 94.0789,
103.8118

■ 48.0582, 71.9704,
89.7998

■ 91.6429, 94.1527,
104.7835

■ 47.8486, 71.8710,
89.4027

■ 91.8286, 94.2270,
105.7613

■ 92.0154, 94.3017,
106.7451

Harmonies

Analogous

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



68.7662, 82.4499, 81.6877



68.6619, 82.4499, 97.0896



71.0719, 82.4499, 112.0867

Triad

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



68.6619, 82.4499, 97.0896



85.8124, 82.4499, 113.1224



81.3151, 82.4499, 64.0240

Complementary

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



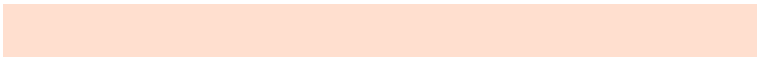
68.6619, 82.4499, 97.0896



63.8054, 57.0073, 54.0983

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.



86.1432, 82.4499, 70.6381



68.6619, 82.4499, 97.0896



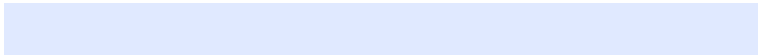
88.8204, 82.4499, 98.3769

Square

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



68.6619, 82.4499, 97.0896



80.8806, 82.4499, 122.0400



88.9442, 82.4499, 82.8353



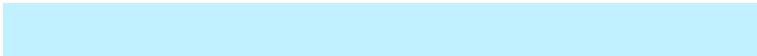
75.9044, 82.4499, 63.7642

Rectangle

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



68.6619, 82.4499, 97.0896



73.8473, 82.4499, 119.3474



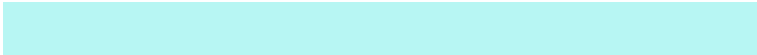
88.9442, 82.4499, 82.8353



83.0657, 82.4499, 65.5401

Sweetspot

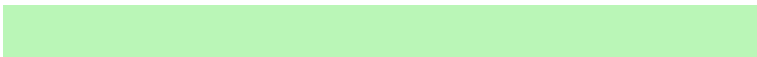
The Sweet Spot groups the original color and five complimentary colors.



68.6643, 82.4532, 97.0915



87.7828, 96.2717, 107.7448



61.7917, 79.7917, 56.9460



18.5153, 20.4656, 23.0163



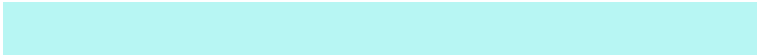
0.0000, 0.0000, 0.0000



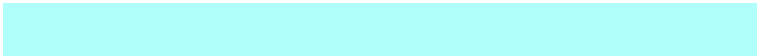
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6643, 82.4532, 97.0915



71.1024, 87.7240, 104.6436



61.1462, 66.6853, 96.8414



16.9606, 18.7434, 21.0767



25.5540, 38.3664, 47.7985



2.2563, 3.3762, 4.2555

Inverse Universe

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



63.8054, 57.0073, 54.0983



64.9650, 55.5749, 50.3325



69.9375, 69.7772, 54.5836



16.5311, 16.4953, 17.2776



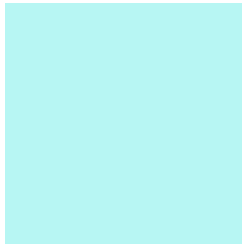
20.3348, 10.4773, 1.2054



1.7983, 0.9253, 0.1641

Previews

White Background



This preview shows how the XYZ color 68.6619, 82.4499, 97.0896 looks on a white background.

Color Contrast Check

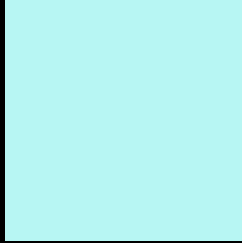
Large Text (above 18pt) WCAG AA × Fail

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 68.6619, 82.4499, 97.0896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

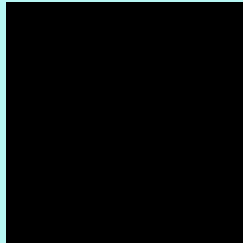
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6619, 82.4499, 97.0896

Background



This preview shows how black text looks on a background with the XYZ color 68.6619, 82.4499, 97.0896.

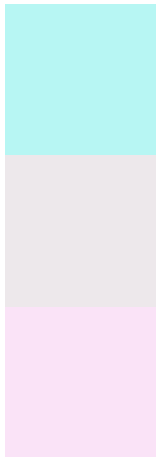


This preview shows how white text looks on a background with the XYZ color 68.6619, 82.4499,

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

68.6619, 82.4499, 97.0896

Protanopia

78.7771, 81.7159, 90.2180

Deuteranopia

83.6819, 81.9776, 99.4084



Tritanopia

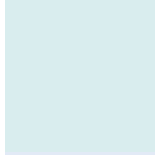
73.2975, 81.9577, 106.5640

Trichromacy



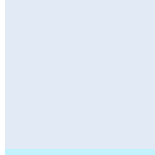
Original Color

68.6619, 82.4499, 97.0896



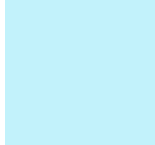
Protanomaly

74.3321, 81.4931, 92.7009



Deuteranomaly

77.4214, 81.6682, 98.8718



Tritanomaly

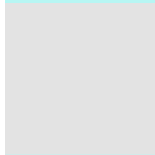
71.4129, 81.9386, 103.3187

Monochromacy



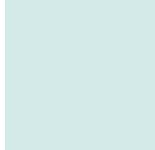
Original Color

68.6619, 82.4499, 97.0896



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.9948, 78.5777, 88.5160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6619, 82.4499, 97.0896 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(183, 246, 243)` looks like.

```
.text, #text, p{  
    color:rgb(183, 246, 243)  
}
```

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(183, 246, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 246, 243) }
```

Border

The CSS property to change the border of an element to XYZ 68.6619, 82.4499, 97.0896 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(183, 246, 243) }
```


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

```
.border{ border-color:rgb(183, 246, 243) }
```

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

Here you see how a box with a 4 pixel rgb(183, 246, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 246, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 246, 243);  
box-shadow:4px 4px 4px 4px rgb(183, 246,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6619, 82.4499, 97.0896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 246, 243) }
```

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

```
.background{ background-color: rgb(183,  
246, 243) }
```

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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