

Converting Colors

XYZ(68.3749, 82.8597, 94.4363)

Have a look what the booklet for
XYZ(68.3749, 82.8597, 94.4363)
contains.

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Color

**XYZ(68.3692, 82.8208,
94.0439)**

Conversions

Conversions Part 1

Format	Color
Hex	B7F7EF
RGB	183, 247, 239
RGB Percent	72%, 97%, 94%
CMY	0.2823, 0.0314, 0.0627
CMYK	0.26, 0.00, 0.03, 0.03
HSL	172°, 80%, 84%
HSV	172°, 26%, 97%
XYZ	68.3692, 82.8208, 94.0439
YIQ	226.9520, -35.5760, -16.0560

Conversions

Conversions Part 2

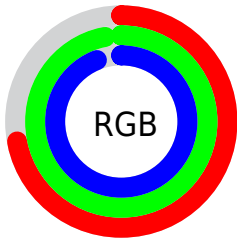
Format	Color
R_{YB}	183, 217, 247
Decimal	12056559
CIE _{Lab}	92.94, -21.55, -2.65
CIE _{LCh}	93, 21.714, 187.001
Yxy	82.8208, 0.2788, 0.3377
Android (android.graphics.Color)	4290246639 (0xFFB7F7EF)
YUV	226.9520, 5.9397, -38.5459
Hunter-Lab	91.0059, -25.1603, 2.4349

Details

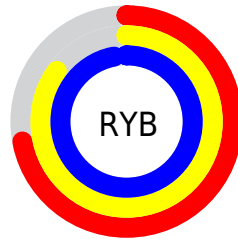
The XYZ color **68.3692, 82.8208, 94.0439** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6982, 57.4050, 56.9639**, and the grayscale version is **72.9574, 76.7569, 83.5883**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **35.8628, 44.8350, 51.5636** is the 20% darker color. If you saturate the color by 10%, you get **62.5500, 79.8753, 91.4114**, and if you desaturate by 10%, it is **75.2319, 86.3076, 96.7695**.

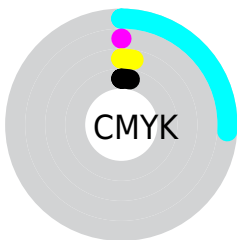
Distribution



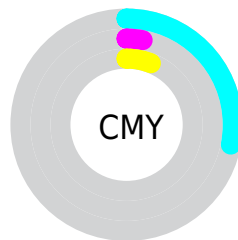
- Red (72%)
- Green (97%)
- Blue (94%)



- Red (72%)
- Yellow (85%)
- Blue (97%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)





- Cyan (28%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3692, 82.8208, 94.0439 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 68.3692, 82.8208, 94.0439 by changing the saturation by 10% instead.


 68.3692, 82.8208,
94.0439

 68.3692, 82.8208,
94.0439


444.1592,
504.3891, 562.0055

 50.4729, 62.0423,
70.7470

 115.9192,
137.3244, 154.9272

 36.0087, 45.0669,
51.6552


146.3036,
171.8184, 193.3508

 24.6110, 31.5101,
36.3500


181.5814,
211.6530, 237.6535

 15.9147, 20.9876,
24.4128

222.1180,
257.2126, 288.2541

 9.5543, 13.1149,
15.4251

268.2787,
308.8816, 345.5711

 5.1644, 7.5077,
8.9683

320.4289,

 2.3798, 3.7816,

367.0445, 410.0230

4.6240

378.9340,
432.0855, 482.0283

■ 0.8350, 1.5522,
1.9735

■ 0.0000, 0.3250,
0.5389

■ 68.3692, 82.8208,
94.0439

■ 68.3692, 82.8208,
94.0439

■ 62.5500, 79.8753,
91.4114

■ 75.2319, 86.3076,
96.7695

■ 57.7133, 77.4333,
88.8637

■ 83.1810, 90.3514,
99.5850

■ 53.8026, 75.4677,
86.3996

■ 91.4871, 94.5784,
102.4584

■ 50.7529, 73.9451,
84.0158

■ 91.9710, 94.7720,
105.0070

■ 48.4904, 72.8275,
81.7089

■ 92.4630, 94.9687,
107.5974

■ 46.9292, 72.0705,
79.4744

■ 92.5522, 95.0044,
108.0674

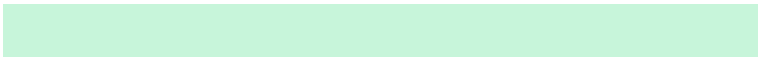
■ 45.9627, 71.6192,
77.3073

■ 45.6722, 71.4884,
76.4374

Harmonies

Analogous

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



69.0878, 82.8208, 78.5013



68.3692, 82.8208, 94.0439



70.3152, 82.8208, 110.3408

Triad

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



68.3692, 82.8208, 94.0439



85.4758, 82.8208, 117.5331



83.0632, 82.8208, 64.3427

Complementary

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



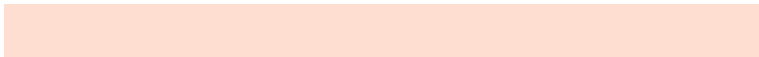
68.3692, 82.8208, 94.0439



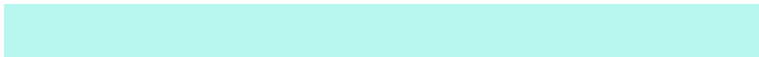
64.6982, 57.4050, 56.9639

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.



87.7664, 82.8208, 72.6340



68.3692, 82.8208, 94.0439



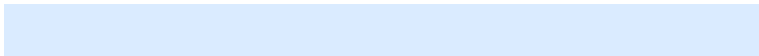
89.2054, 82.8208, 102.9583

Square

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



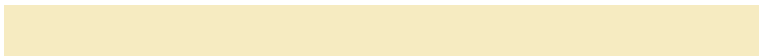
68.3692, 82.8208, 94.0439



80.0573, 82.8208, 124.9194



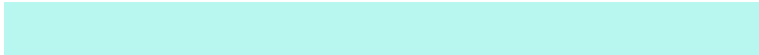
90.0632, 82.8208, 86.4191



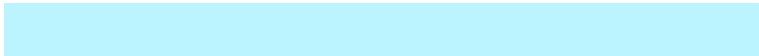
77.3951, 82.8208, 62.5605

Rectangle

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



68.3692, 82.8208, 94.0439



72.9195, 82.8208, 119.0342



90.0632, 82.8208, 86.4191



84.8175, 82.8208, 66.4080

Sweetspot

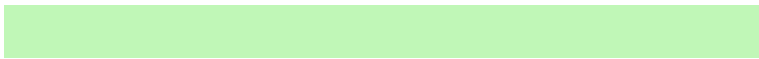
The Sweet Spot groups the original color and five complimentary colors.



68.3716, 82.8242, 94.0458



87.5310, 96.1709, 106.4185



63.4308, 81.0895, 57.1100



18.4513, 20.4401, 22.6796



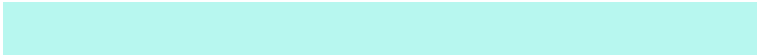
0.0000, 0.0000, 0.0000



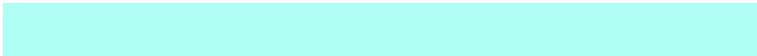
20.3446, 21.4041, 23.3091

Same Dimension

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



68.3716, 82.8242, 94.0458



70.1522, 87.3439, 99.6401



62.8499, 69.8463, 98.1687



16.9023, 18.7200, 20.7697



24.1900, 37.8208, 40.6159



2.1506, 3.3339, 3.6988

Inverse Universe

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



64.6982, 57.4050, 56.9639



65.6009, 55.8292, 53.6809



69.0917, 67.5634, 54.2008



16.5834, 16.5162, 17.5530



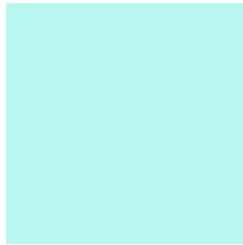
20.4436, 10.5209, 1.7785



1.8231, 0.9352, 0.2950

Previews

White Background



This preview shows how the XYZ color 68.3692, 82.8208, 94.0439 looks on a white background.

Color Contrast Check

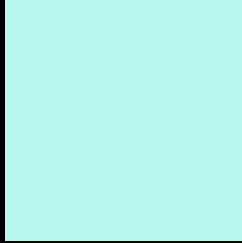
Large Text (above 18pt) WCAG AA × Fail

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 68.3692, 82.8208, 94.0439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

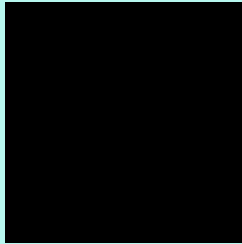
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

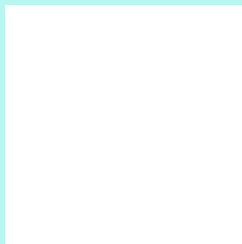
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3692, 82.8208, 94.0439

Background



This preview shows how black text looks on a background with the XYZ color 68.3692, 82.8208, 94.0439.

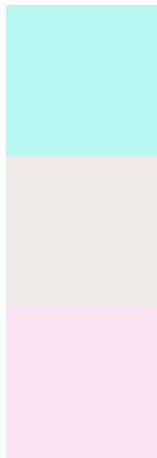


This preview shows how white text looks on a background with the XYZ color 68.3692, 82.8208,

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

68.3692, 82.8208, 94.0439

Protanopia

79.1593, 82.3981, 87.3336

Deuteranopia

83.7916, 82.1047, 96.2255



Tritanopia

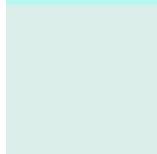
74.1339, 82.8271, 106.6877

Trichromacy



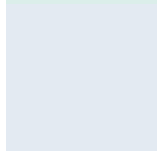
Original Color

68.3692, 82.8208, 94.0439



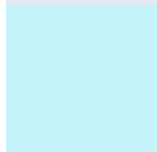
Protanomaly

74.6392, 82.1497, 89.7645



Deuteranomaly

77.1284, 81.5873, 95.6872



Tritanomaly

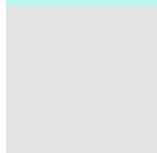
71.9144, 82.6765, 101.7904

Monochromacy



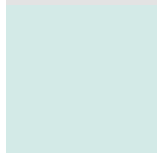
Original Color

68.3692, 82.8208, 94.0439



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.7106, 78.4640, 87.0195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3692, 82.8208, 94.0439 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, 247, 239)` looks like.

```
.text, #text, p{  
    color:rgb(183, 247, 239)  
}
```

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, 247, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 247, 239) }
```

Border

The CSS property to change the border of an element to XYZ 68.3692, 82.8208, 94.0439 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, 247, 239) }
```


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

```
.border{ border-color:rgb(183, 247, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 247, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 247, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 247, 239);  
box-shadow:4px 4px 4px 4px rgb(183, 247,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3692, 82.8208, 94.0439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 247, 239) }
```

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

```
.background{ background-color: rgb(183,  
247, 239) }
```

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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