

Converting Colors

XYZ(69.9356, 82.8679, 96.9951)

Have a look what the booklet for
XYZ(69.9356, 82.8679, 96.9951)
contains.

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Color

**XYZ(69.8163, 82.5947,
97.0567)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF5F3
RGB	189, 245, 243
RGB Percent	74%, 96%, 95%
CMY	0.2588, 0.0392, 0.0471
CMYK	0.23, 0.00, 0.01, 0.04
HSL	178°, 74%, 85%
HSV	178°, 23%, 96%
XYZ	69.8163, 82.5947, 97.0567
YIQ	228.0280, -32.7340, -12.4940

Conversions

Conversions Part 2

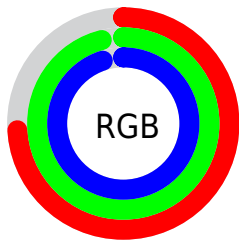
Format	Color
R _Y B	189, 218, 245
Decimal	12449267
CIE Lab	92.84, -17.99, -4.83
CIE LCh	93, 18.623, 195.033
Yxy	82.5947, 0.2799, 0.3311
Android (android.graphics.Color)	4290639347 (0xFFBDF5F3)
YUV	228.0280, 7.3812, -34.2276
Hunter-Lab	90.8816, -21.9171, 0.2986

Details

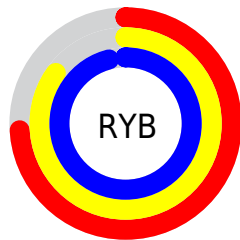
The XYZ color **69.8163, 82.5947, 97.0567** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2606, 59.5715, 57.3523**, and the grayscale version is **73.7301, 77.5698, 84.4735**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **36.9988, 45.0514, 53.7595** is the 20% darker color. If you saturate the color by 10%, you get **64.1134, 79.6721, 96.1023**, and if you desaturate by 10%, it is **76.5512, 86.0535, 98.0662**.

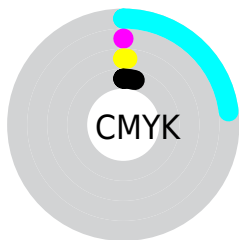
Distribution



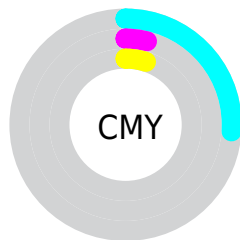
- Red (74%)
- Green (96%)
- Blue (95%)



- Red (74%)
- Yellow (85%)
- Blue (96%)



- Cyan (23%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)



- Cyan (26%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8163, 82.5947, 97.0567 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 69.8163, 82.5947, 97.0567 by changing the saturation by 10% instead.

69.8163, 82.5947,
97.0567

69.8163, 82.5947,
97.0567

449.1812,
503.6348, 571.8802

51.6558, 61.8559,
73.2416

117.9744,
137.0077, 159.1229

36.9540, 44.9162,
53.6805

148.7028,
171.4506, 198.2111

25.3454, 31.3915,
37.9549

184.3513,
211.2303, 243.2275

16.4647, 20.8971,
25.6461

225.2851,
256.7312, 294.5905

9.9465, 13.0488,
16.3357

271.8696,
308.3377, 352.7188

5.4255, 7.4622,
9.6051

324.4703,

2.5363, 3.7528,

366.4342, 418.0308

5.0358

383.4523,
431.4051, 490.9451

■ 0.9136, 1.5363,
2.2091

■ 0.0000, 0.3140,
0.6796

■ 69.8163, 82.5947,
97.0567

■ 69.8163, 82.5947,
97.0567

■ 64.1134, 79.6721,
96.1023

■ 76.5512, 86.0535,
98.0662

■ 59.3838, 77.2491,
95.1950

■ 84.3589, 90.0631,
99.1275

■ 55.5738, 75.3001,
94.3340

■ 90.4718, 93.1989,
100.1128

■ 52.6218, 73.7933,
93.5164

■ 90.6064, 93.2528,
100.8216

■ 50.4584, 72.6930,
92.7390

■ 90.7416, 93.3069,
101.5337

■ 49.0037, 71.9580,
91.9981

■ 90.8775, 93.3612,
102.2492

■ 48.1607, 71.5382,
91.2891

■ 91.0140, 93.4158,
102.9680

■ 47.8293, 71.3779,
90.7973

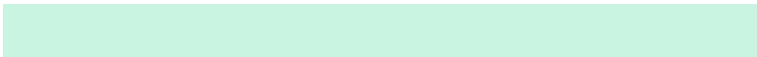
■ 91.1512, 93.4707,
103.6903

■ 91.2890, 93.5258,
104.4158

Harmonies

Analogous

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



69.8137, 82.5947, 83.1922



69.8163, 82.5947, 97.0567



72.0803, 82.5947, 110.2368

Triad

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



69.8163, 82.5947, 97.0567



85.3060, 82.5947, 110.2119



80.9432, 82.5947, 66.4654

Complementary

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



69.8163, 82.5947, 97.0567



65.2606, 59.5715, 57.3523

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.



85.2980, 82.5947, 72.2867



69.8163, 82.5947, 97.0567



87.8866, 82.5947, 97.0255

Square

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



69.8163, 82.5947, 97.0567



80.9538, 82.5947, 118.3483



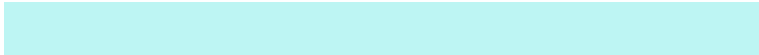
87.8836, 82.5947, 83.1640



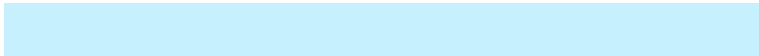
76.1037, 82.5947, 66.4719

Rectangle

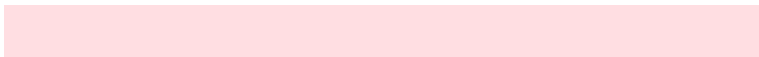
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8163, 82.5947, 97.0567



74.6233, 82.5947, 116.4541



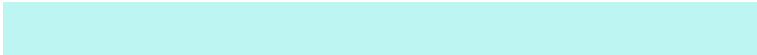
87.8836, 82.5947, 83.1640



82.5166, 82.5947, 67.7767

Sweetspot

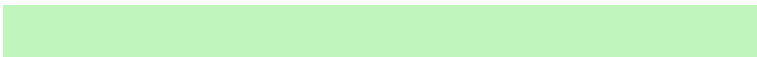
The Sweet Spot groups the original color and five complimentary colors.



69.8187, 82.5981, 97.0586



88.6825, 96.7293, 108.0663



63.5277, 80.1627, 60.2702



18.8702, 20.6468, 23.1155



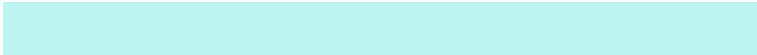
0.0000, 0.0000, 0.0000



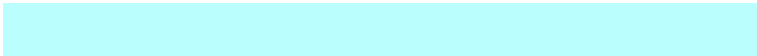
20.3446, 21.4041, 23.3091

Same Dimension

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



69.8187, 82.5981, 97.0586



73.7021, 89.0403, 105.8445



63.0108, 68.4955, 96.2900



16.9696, 18.7470, 21.1242



25.7770, 38.4557, 48.9731



2.2734, 3.3830, 4.3457

Inverse Universe

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



65.2606, 59.5715, 57.3523



67.9738, 60.0984, 55.9415



70.9416, 71.2838, 58.1657



16.5232, 16.4921, 17.2355



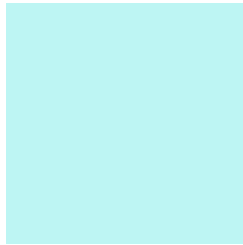
20.3226, 10.4725, 1.1415



1.7944, 0.9237, 0.1440

Previews

White Background



This preview shows how the XYZ color 69.8163, 82.5947, 97.0567 looks on a white background.

Color Contrast Check

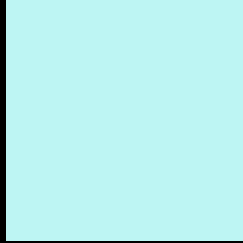
Large Text (above 18pt) WCAG AA × Fail

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 69.8163, 82.5947, 97.0567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

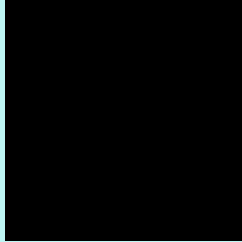
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8163, 82.5947, 97.0567

Background



This preview shows how black text looks on a background with the XYZ color 69.8163, 82.5947, 97.0567.

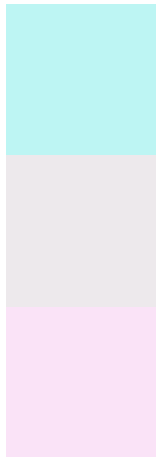


This preview shows how white text looks on a background with the XYZ color 69.8163, 82.5947,

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

69.8163, 82.5947, 97.0567

Protanopia

79.2043, 82.3385, 91.0753

Deuteranopia

83.6819, 81.9776, 99.4084



Tritanopia

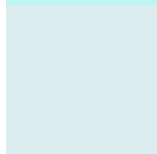
74.1119, 82.3775, 106.6021

Trichromacy



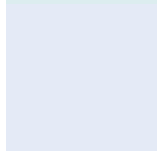
Original Color

69.8163, 82.5947, 97.0567



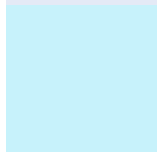
Protanomaly

75.3794, 82.0160, 93.5191



Deuteranomaly

78.0523, 81.9934, 98.9013



Tritanomaly

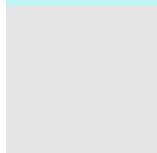
72.7179, 82.6114, 103.3797

Monochromacy



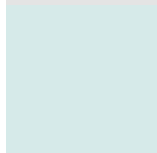
Original Color

69.8163, 82.5947, 97.0567



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.8624, 79.0250, 88.5566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8163, 82.5947, 97.0567 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(189, 245, 243)` looks like.

```
.text, #text, p{  
    color:rgb(189, 245, 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(189, 245, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 245, 243) }
```

Border

The CSS property to change the border of an element to XYZ 69.8163, 82.5947, 97.0567 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(189, 245, 243) }
```


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

```
.border{ border-color:rgb(189, 245, 243) }
```

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

Here you see how a box with a 4 pixel rgb(189, 245, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 245, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 245, 243);  
box-shadow:4px 4px 4px 4px rgb(189, 245,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8163, 82.5947, 97.0567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 245, 243) }
```

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

```
.background{ background-color: rgb(189,  
245, 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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