

Converting Colors

XYZ(68.2190, 81.3112, 97.6974)

Have a look what the booklet for
XYZ(68.2190, 81.3112, 97.6974)
contains.

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Color

**XYZ(68.2083, 81.3003,
97.6855)**

Conversions

Conversions Part 1

Format	Color
Hex	B7F4F4
RGB	183, 244, 244
RGB Percent	72%, 96%, 96%
CMY	0.2823, 0.0431, 0.0431
CMYK	0.25, 0.00, 0.00, 0.04
HSL	180°, 74%, 84%
HSV	180°, 25%, 96%
XYZ	68.2083, 81.3003, 97.6855
YIQ	225.7610, -36.3560, -12.9320

Conversions

Conversions Part 2

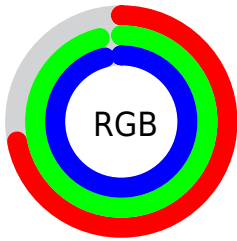
Format	Color
R_{YB}	183, 214, 244
Decimal	12055796
CIE Lab	92.27, -19.01, -6.23
CIE LCh	92, 20.007, 198.144
Yxy	81.3003, 0.2759, 0.3289
Android (android.graphics.Color)	4290245876 (0xFFB7F4F4)
YUV	225.7610, 8.9918, -37.5014
Hunter-Lab	90.1667, -22.7620, -1.1174

Details

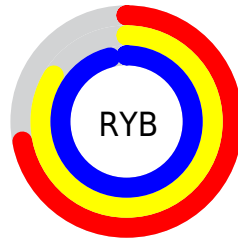
The XYZ color **68.2083, 81.3003, 97.6855** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.7919, 56.5214, 52.4034**, and the grayscale version is **72.0740, 75.8275, 82.5761**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **35.9624, 44.1865, 54.2104** is the 20% darker color. If you saturate the color by 10%, you get **62.9007, 78.5662, 97.4379**, and if you desaturate by 10%, it is **74.5267, 84.5596, 97.9839**.

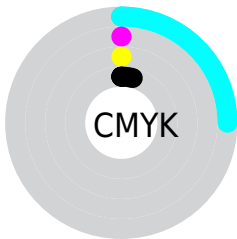
Distribution



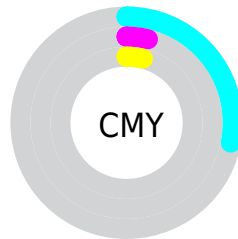
- Red (72%)
- Green (96%)
- Blue (96%)



- Red (72%)
- Yellow (84%)
- Blue (96%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (28%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2083, 81.3003, 97.6855 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 68.2083, 81.3003, 97.6855 by changing the saturation by 10% instead.

68.2083, 81.3003,
97.6855

68.2083, 81.3003,
97.6855

443.5988,
499.3042, 573.9295

50.3415, 60.7890,
73.7629

115.6904,
135.1923, 159.9969

35.9037, 44.0549,
54.1044

146.0363,
169.3418, 199.2228

24.5296, 30.7136,
38.2914

181.2727,
208.8062, 244.3870

15.8538, 20.3809,
25.9054

221.7650,
253.9697, 295.9078

9.5110, 12.6722,
16.5277

267.8783,
305.2169, 354.2040

5.1357, 7.2032,
9.7400

319.9782,

2.3627, 3.5895,

362.9321, 419.6940

5.1235

378.4299,
427.4998, 492.7963

■ 0.8264, 1.4467,
2.2599

■ 0.0000, 0.2508,
0.7086

■ 68.2083, 81.3003,
97.6855

■ 68.2083, 81.3003,
97.6855

■ 62.9007, 78.5662,
97.4379

■ 74.5267, 84.5596,
97.9839

■ 58.5449, 76.3207,
97.2331


■ 81.8970, 88.3591,
98.3298


■ 55.0867, 74.5380,
97.0703


■ 89.9220, 92.4961,
98.7063


■ 52.4636, 73.1858,
96.9466


■ 89.9222, 92.4962,
98.7072


 50.6051, 72.2277,
96.8587


 89.9224, 92.4963,
98.7082


 49.4291, 71.6214,
96.8027


 89.9226, 92.4964,
98.7091

 48.8346, 71.3150,
96.7739

 89.9227, 92.4964,
98.7101

 48.6801, 71.2354,
96.7662

 89.9229, 92.4965,
98.7110

 89.9231, 92.4966,
98.7120

Harmonies

Analogous

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



67.9490, 81.3003, 82.8021



68.2083, 81.3003, 97.6855



70.8296, 81.3003, 111.4609

Triad

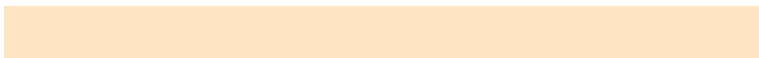
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2083, 81.3003, 97.6855



84.9152, 81.3003, 108.9061



79.3335, 81.3003, 63.4849

Complementary

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



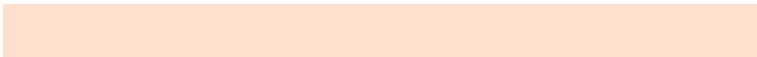
68.2083, 81.3003, 97.6855



62.7919, 56.5214, 52.4034

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.



84.0969, 81.3003, 68.9686



68.2083, 81.3003, 97.6855



87.4143, 81.3003, 94.4999

Square

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



68.2083, 81.3003, 97.6855



80.4101, 81.3003, 118.4199



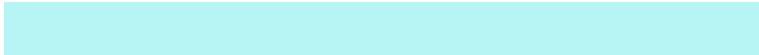
87.1083, 81.3003, 79.9506



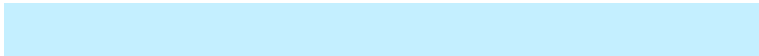
74.2195, 81.3003, 64.1346

Rectangle

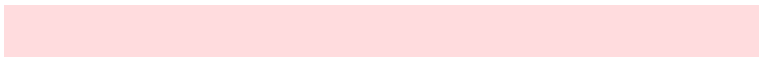
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2083, 81.3003, 97.6855



73.6322, 81.3003, 117.6560



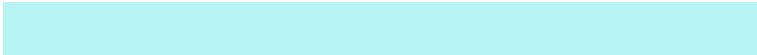
87.1083, 81.3003, 79.9506



81.0329, 81.3003, 64.6446

Sweetspot

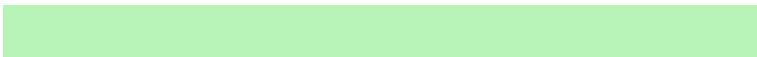
The Sweet Spot groups the original color and five complimentary colors.



68.2107, 81.3036, 97.6874



87.9389, 96.3341, 108.5664



60.6716, 78.3160, 56.7203



18.5549, 20.4815, 23.2251



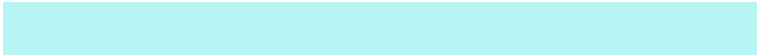
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



68.2107, 81.3036, 97.6874



72.2844, 88.2640, 107.8314



60.0376, 64.9567, 94.9652



16.9967, 18.7578, 21.2672



26.4684, 38.7322, 52.6140



2.3263, 3.4042, 4.6243

Inverse Universe

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



62.7919, 56.5214, 52.4034



65.3466, 56.5348, 49.8533



69.5229, 69.9839, 54.6455



16.4992, 16.4825, 17.1096



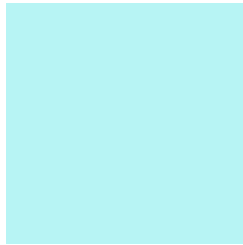
20.2862, 10.4579, 0.9496



1.7830, 0.9192, 0.0835

Previews

White Background



This preview shows how the XYZ color 68.2083, 81.3003, 97.6855 looks on a white background.

Color Contrast Check

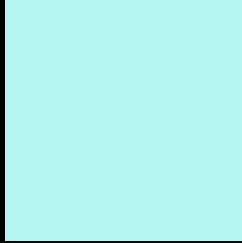
Large Text (above 18pt) WCAG AA × Fail

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 68.2083, 81.3003, 97.6855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

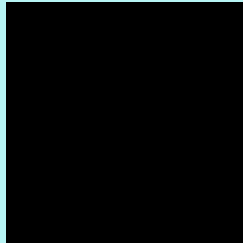
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2083, 81.3003, 97.6855

Background



This preview shows how black text looks on a background with the XYZ color 68.2083, 81.3003, 97.6855.



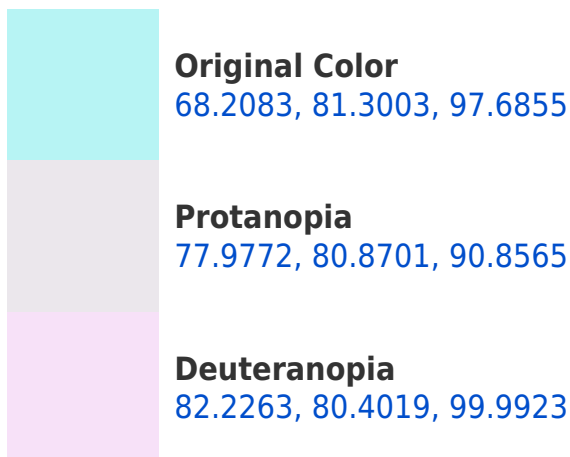
This preview shows how white text looks on a background with the XYZ color 68.2083, 81.3003,

97.6855.

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





Tritanopia

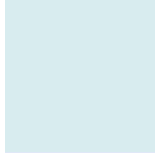
71.9425, 80.8233, 106.4164

Trichromacy



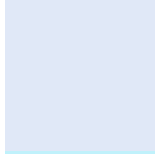
Original Color

68.2083, 81.3003, 97.6855



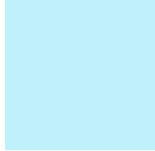
Protanomaly

73.8943, 80.8218, 93.3669



Deuteranomaly

76.3856, 80.2759, 99.4645



Tritanomaly

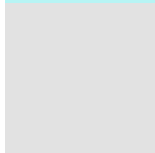
70.6061, 81.0821, 103.1959

Monochromacy



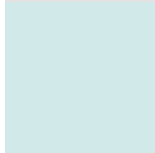
Original Color

68.2083, 81.3003, 97.6855



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.4252, 77.8627, 88.4080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2083, 81.3003, 97.6855 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, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(183, 244, 244)  
}
```

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, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 244, 244) }
```

Border

The CSS property to change the border of an element to XYZ 68.2083, 81.3003, 97.6855 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, 244, 244) }
```


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

```
.border{ border-color:rgb(183, 244, 244) }
```

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

Here you see how a box with a 4 pixel rgb(183, 244, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(183, 244,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2083, 81.3003, 97.6855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 244, 244) }
```

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

```
.background{ background-color: rgb(183,  
244, 244) }
```

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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