

Converting Colors

XYZ(64.6556, 76.5937, 84.4966)

Have a look what the booklet for
XYZ(64.6556, 76.5937, 84.4966)
contains.

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Color

**XYZ(64.7813, 76.7346,
84.7957)**

Conversions

Conversions Part 1

Format	Color
Hex	BBEDE4
RGB	187, 237, 228
RGB Percent	73%, 93%, 89%
CMY	0.2667, 0.0706, 0.1059
CMYK	0.21, 0.00, 0.04, 0.07
HSL	169°, 58%, 83%
HSV	169°, 21%, 93%
XYZ	64.7813, 76.7346, 84.7957
YIQ	221.0240, -26.9110, -13.3990

Conversions

Conversions Part 2

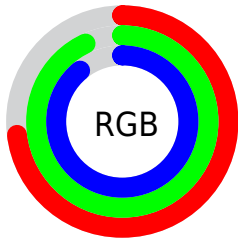
Format	Color
RYB	187, 214, 237
Decimal	12316132
CIELab	90.20, -17.73, -0.90
CIElCh	90, 17.757, 182.921
Yxy	76.7346, 0.2862, 0.3391
Android (android.graphics.Color)	4290506212 (0xFFBBEDE4)
YUV	221.0240, 3.4392, -29.8390
Hunter-Lab	87.5983, -21.2914, 3.9257

Details

The XYZ color **64.7813, 76.7346, 84.7957** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6619, 57.5328, 60.0301**, and the grayscale version is **68.7360, 72.3156, 78.7517**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **33.7396, 41.0514, 45.6806** is the 20% darker color. If you saturate the color by 10%, you get **58.8703, 73.7570, 81.4660**, and if you desaturate by 10%, it is **71.6682, 80.2177, 88.2507**.

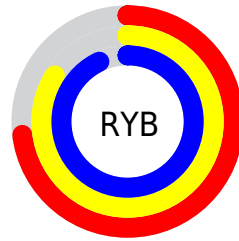
Distribution



Red (73%)

Green (93%)

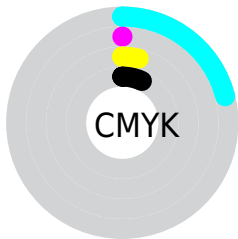
Blue (89%)



Red (73%)

Yellow (84%)

Blue (93%)

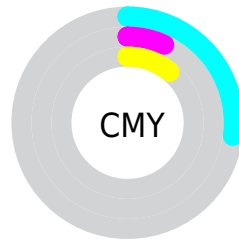


Cyan (21%)

Magenta (0%)

Yellow (4%)

Black (7%)



Cyan (27%)

Magenta (7%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7813, 76.7346, 84.7957 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 64.7813, 76.7346, 84.7957 by changing the saturation by 10% instead.

64.7813, 76.7346,
84.7957

64.7813, 76.7346,
84.7957

431.5633,
483.8587, 531.0788

47.5478, 57.0351,
63.1234

110.8028,
128.7648, 141.9593

33.6787, 41.0334,
45.4994

140.3216,
161.8642, 178.2877

22.8086, 28.3452,
31.5052

174.6661,
200.1991, 220.3386

14.5721, 18.5860,
20.7221

214.2018,
244.1538, 268.5305

8.6040, 11.3715,
12.7318

259.2941,
294.1127, 323.2819

4.5388, 6.3173,
7.1156


310.3081,


2.0113, 3.0390,


350.4602, 385.0114


3.4549

367.6094,
413.5807, 454.1375


 0.6403, 1.1521,
1.3314

 0.0000, 0.0221,
0.0873


 64.7813, 76.7346,
84.7957


 64.7813, 76.7346,
84.7957


 58.8703, 73.7570,
81.4660


 71.6682, 80.2177,
88.2507


 53.8815, 71.2511,
78.2536

 79.5682, 84.2193,
91.8283

 49.7663, 69.1939,
75.1574

 87.3734, 88.1703,
95.4789

 46.4686, 67.5565,
72.1741

 88.0179, 88.4280,
98.8724

■ 43.9260, 66.3068,
69.3003

■ 88.6773, 88.6918,
102.3450

■ 42.0668, 65.4076,
66.5320

■ 89.3519, 88.9617,
105.8972

■ 40.8050, 64.8149,
63.8648

■ 89.5756, 89.0511,
107.0752

■ 40.0604, 64.4811,
61.5689

Harmonies

Analogous

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



65.6346, 76.7346, 72.9665



64.7813, 76.7346, 84.7957



66.0385, 76.7346, 97.4706

Triad

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



64.7813, 76.7346, 84.7957



77.6448, 76.7346, 105.6623



76.8664, 76.7346, 63.7223

Complementary

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



64.7813, 76.7346, 84.7957



62.6619, 57.5328, 60.0301

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.



80.2933, 76.7346, 71.0239



64.7813, 76.7346, 84.7957



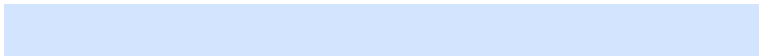
80.7553, 76.7346, 95.1124

Square

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



64.7813, 76.7346, 84.7957



73.3673, 76.7346, 110.2551



81.7434, 76.7346, 82.3184



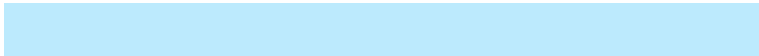
72.5023, 76.7346, 61.5494

Rectangle

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



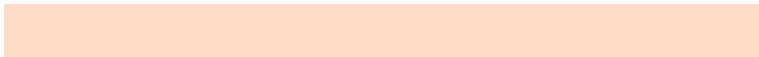
64.7813, 76.7346, 84.7957



67.9352, 76.7346, 104.4835



81.7434, 76.7346, 82.3184



78.1720, 76.7346, 65.6193

Sweetspot

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



64.7835, 76.7378, 84.7974



89.2030, 97.0366, 106.3278



62.0645, 75.9176, 58.3975



18.9627, 20.7038, 22.6993



0.0000, 0.0000, 0.0000



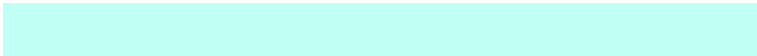
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7835, 76.7378, 84.7974



73.5654, 89.1314, 98.5344



61.6824, 68.4829, 90.0919



15.3945, 17.0726, 18.7604



21.9151, 35.2205, 33.8479



1.7512, 2.7778, 2.8177

Inverse Universe

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



62.6619, 57.5328, 60.0301



70.6725, 62.9296, 64.7521



65.2139, 64.2280, 55.9751



15.1762, 15.0983, 16.2132



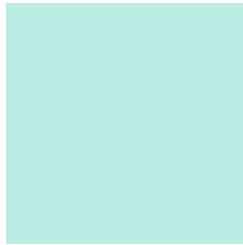
19.3367, 9.9374, 2.3085



1.5501, 0.7930, 0.3482

Previews

White Background



This preview shows how the XYZ color 64.7813, 76.7346, 84.7957 looks on a white background.

Color Contrast Check

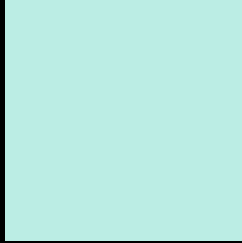
Large Text (above 18pt) WCAG AA × Fail

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 64.7813, 76.7346, 84.7957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

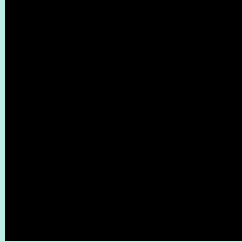
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

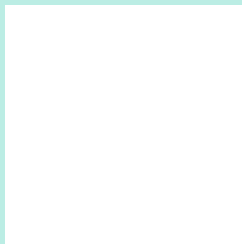
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7813, 76.7346, 84.7957

Background



This preview shows how black text looks on a background with the XYZ color 64.7813, 76.7346, 84.7957.

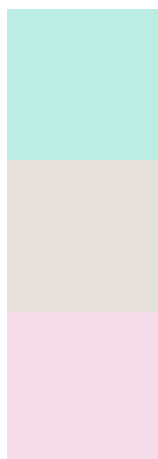


This preview shows how white text looks on a background with the XYZ color 64.7813, 76.7346,

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

64.7813, 76.7346, 84.7957

Protanopia

72.9314, 76.0598, 79.2437

Deuteranopia

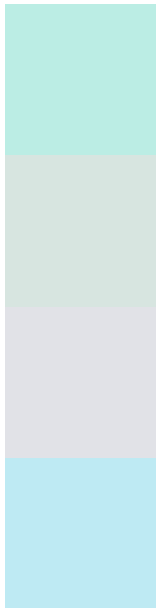
77.9030, 76.0821, 86.9233



Tritanopia

68.4478, 76.5126, 103.2563

Trichromacy



Original Color

64.7813, 76.7346, 84.7957

Protanomaly

69.4982, 75.8675, 81.5020

Deuteranomaly

72.6715, 76.1698, 86.4733

Tritanomaly

66.8357, 76.2639, 95.9918

Monochromacy



Original Color

64.7813, 76.7346, 84.7957

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.2181, 73.8753, 81.2376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7813, 76.7346, 84.7957 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(187, 237, 228)` looks like.

```
.text, #text, p{  
    color:rgb(187, 237, 228)  
}
```

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(187, 237, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 237, 228) }
```

Border

The CSS property to change the border of an element to XYZ 64.7813, 76.7346, 84.7957 is called "border". The border property can be set on classes, ids or directly on the HTML element.

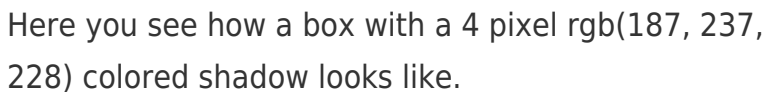
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 237, 228) }
```


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

```
.border{ border-color:rgb(187, 237, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 237, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 237, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 237, 228); box-shadow:4px 4px 4px 4px rgb(187, 237, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7813, 76.7346, 84.7957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 237, 228) }
```

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

```
.background{ background-color: rgb(187,  
237, 228) }
```

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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