

Converting Colors

XYZ(64.6950, 79.4982, 76.9006)

Have a look what the booklet for
XYZ(64.6950, 79.4982, 76.9006)
contains.

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Color

**XYZ(64.6950, 79.4982,
76.9006)**

Conversions

Conversions Part 1

Format	Color
Hex	BAF3D8
RGB	186, 243, 216
RGB Percent	73%, 95%, 85%
CMY	0.2706, 0.0470, 0.1529
CMYK	0.23, 0.00, 0.11, 0.05
HSL	152°, 70%, 84%
HSV	152°, 23%, 95%
XYZ	64.6950, 79.4982, 76.9006
YIQ	222.8790, -25.3050, -20.4810

Conversions

Conversions Part 2

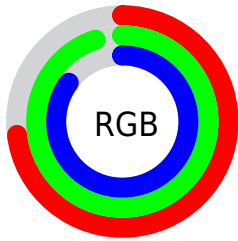
Format	Color
RYB	186, 223, 243
Decimal	12252120
CIELab	91.46, -23.36, 7.17
CIELCh	91, 24.435, 162.948
Yxy	79.4982, 0.2926, 0.3596
Android (android.graphics.Color)	4290442200 (0xFFBAF3D8)
YUV	222.8790, -3.3913, -32.3429
Hunter-Lab	89.1618, -26.5150, 11.2766

Details

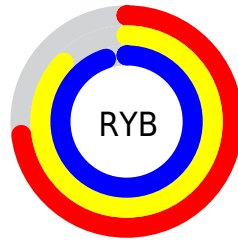
The XYZ color **64.6950, 79.4982, 76.9006** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.5341, 58.9787, 70.8316**, and the grayscale version is **70.0914, 73.7416, 80.3046**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **33.7191, 43.0194, 40.2446** is the 20% darker color. If you saturate the color by 10%, you get **57.8498, 76.1375, 69.0825**, and if you desaturate by 10%, it is **72.6528, 83.4247, 85.3184**.

Distribution



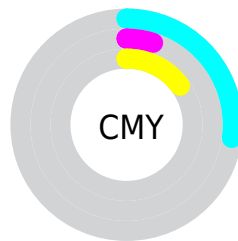
- Red (73%)
- Green (95%)
- Blue (85%)



- Red (73%)
- Yellow (87%)
- Blue (95%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)





- Cyan (27%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6950, 79.4982, 76.9006 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 64.6950, 79.4982, 76.9006 by changing the saturation by 10% instead.


 64.6950, 79.4982,
76.9006

 64.6950, 79.4982,
76.9006

431.2577,
493.2401, 503.8537

 47.4776, 59.3055,
56.6602

 110.6794,
132.6600, 130.7709

 33.6229, 42.8591,
40.3250


140.1771,
166.3979, 165.2379

 22.7656, 29.7746,
27.4763


174.4989,
205.4196, 205.2842

 14.5402, 19.6676,
17.6957

214.0103,
250.1097, 251.3283

 8.5816, 12.1536,
10.5645

259.0765,
300.8523, 303.7887

 4.5242, 6.8484,
5.6644

310.0629,

 2.0027, 3.3675,

358.0320, 363.0841

2.5766

367.3348,
422.0332, 429.6329

0.6355, 1.3265,
0.8804

0.0000, 0.1615,
0.0000

64.6950, 79.4982,
76.9006

64.6950, 79.4982,
76.9006

57.8498, 76.1375,
69.0825

72.6528, 83.4247,
85.3184

52.0578, 73.3058,
61.8453

81.7658, 87.9323,
94.3438

47.2636, 70.9770,
55.1767

90.6317, 92.3000,
103.9230

43.4043, 69.1187,
49.0618

91.3421, 92.5842,
107.6640

■ 40.4089, 67.6949,
43.4852

■ 38.1961, 66.6638,
38.4302

■ 36.6669, 65.9746,
33.8792

■ 35.9411, 65.6598,
31.1633

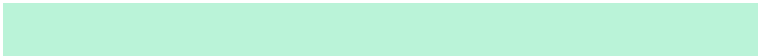
Harmonies

Analogous

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



67.7024, 79.4982, 63.8338



64.6950, 79.4982, 76.9006



64.4953, 79.4982, 94.4627

Triad

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



64.6950, 79.4982, 76.9006



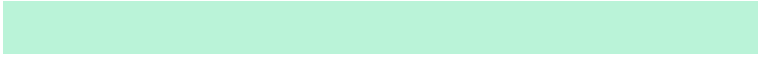
78.2719, 79.4982, 124.4105



84.6561, 79.4982, 65.2600

Complementary

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



64.6950, 79.4982, 76.9006



66.5341, 58.9787, 70.8316

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.



87.8243, 79.4982, 79.1109



64.6950, 79.4982, 76.9006



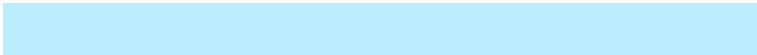
84.0046, 79.4982, 114.1262

Square

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



64.6950, 79.4982, 76.9006



72.1080, 79.4982, 123.6038



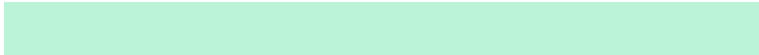
87.5795, 79.4982, 96.9962



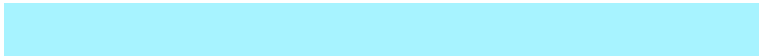
79.1218, 79.4982, 57.7728

Rectangle

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



64.6950, 79.4982, 76.9006



65.9634, 79.4982, 106.5544



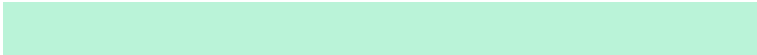
87.5795, 79.4982, 96.9962



86.0464, 79.4982, 69.2377

Sweetspot

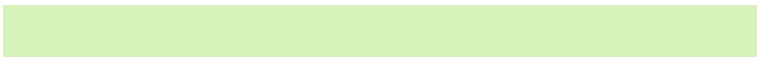
The Sweet Spot groups the original color and five complimentary colors.



64.6972, 79.5015, 76.9024



87.4534, 96.2376, 101.5938



68.5167, 81.8785, 58.6485



18.5850, 20.5327, 21.6138



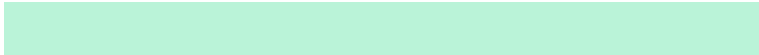
0.0000, 0.0000, 0.0000



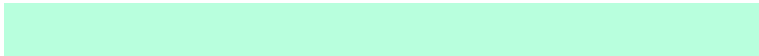
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6972, 79.5015, 76.9024



68.5062, 86.8909, 81.6910



68.1971, 80.4477, 96.7316



16.6466, 18.6178, 19.4233



19.7936, 36.0623, 17.4648



1.7916, 3.1903, 1.8085

Inverse Universe

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



66.5341, 58.9787, 70.8316



70.8771, 60.4068, 73.8588



63.5872, 58.1212, 54.3227



16.8260, 16.6132, 18.8301



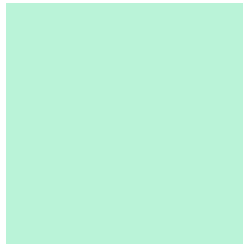
22.0552, 11.1655, 10.2649



1.9900, 1.0020, 1.1736

Previews

White Background



This preview shows how the XYZ color 64.6950, 79.4982, 76.9006 looks on a white background.

Color Contrast Check

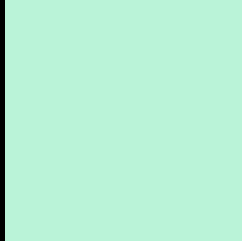
Large Text (above 18pt) WCAG AA × Fail

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 64.6950, 79.4982, 76.9006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

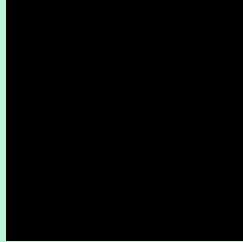
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

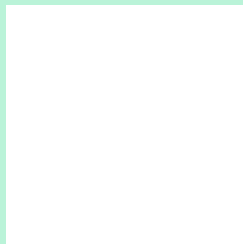
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6950, 79.4982, 76.9006

Background



This preview shows how black text looks on a background with the XYZ color 64.6950, 79.4982, 76.9006.



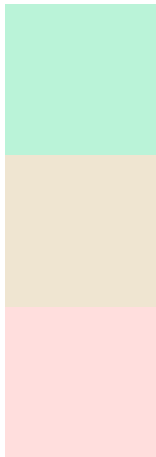
This preview shows how white text looks on a background with the XYZ color 64.6950, 79.4982,

76.9006.

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

64.6950, 79.4982, 76.9006

Protanopia

75.1245, 78.9928, 71.6092

Deuteranopia

80.4124, 78.7230, 79.3635



Tritanopia

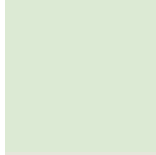
71.0991, 79.5241, 106.2101

Trichromacy



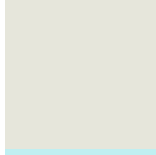
Original Color

64.6950, 79.4982, 76.9006



Protanomaly

70.8217, 78.8147, 73.7674



Deuteranomaly

73.7161, 78.5311, 78.2906



Tritanomaly

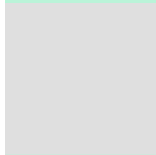
68.4819, 79.2903, 94.9143

Monochromacy



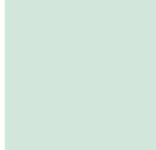
Original Color

64.6950, 79.4982, 76.9006



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.7934, 75.4626, 78.7028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6950, 79.4982, 76.9006 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(186, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(186, 243, 216)  
}
```

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(186, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 64.6950, 79.4982, 76.9006 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(186, 243, 216) }
```


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

```
.border{ border-color:rgb(186, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(186, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6950, 79.4982, 76.9006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 243, 216) }
```

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

```
.background{ background-color: rgb(186,  
243, 216) }
```

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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