

Converting Colors

XYZ(64.9667, 76.7469, 83.3985)

Have a look what the booklet for
XYZ(64.9667, 76.7469, 83.3985)
contains.

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Color

**XYZ(64.9979, 76.8782,
83.3647)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDEDE2</code>
RGB	<code>189, 237, 226</code>
RGB Percent	<code>74%, 93%, 89%</code>
CMY	<code>0.2588, 0.0706, 0.1137</code>
CMYK	<code>0.20, 0.00, 0.05, 0.07</code>
HSL	<code>166°, 57%, 84%</code>
HSV	<code>166°, 20%, 93%</code>
XYZ	<code>64.9979, 76.8782, 83.3647</code>
YIQ	<code>221.3940, -25.0770, -13.5970</code>

Conversions

Conversions Part 2

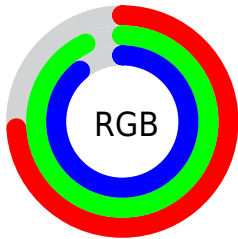
Format	Color
R _{YB}	189, 216, 237
Decimal	12447202
CIE Lab	90.27, -17.53, 0.25
CIE LCh	90, 17.532, 179.182
Yxy	76.8782, 0.2886, 0.3413
Android (android.graphics.Color)	4290637282 (0xFFBDEDE2)
YUV	221.3940, 2.2708, -28.4095
Hunter-Lab	87.6802, -21.1172, 5.0043

Details

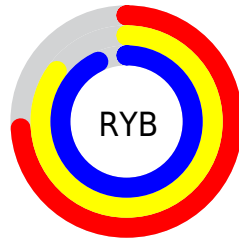
The XYZ color **64.9979, 76.8782, 83.3647** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5507, 58.5718, 62.6029**, and the grayscale version is **69.0030, 72.5965, 79.0576**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.8662, 41.1389, 44.6837** is the 20% darker color. If you saturate the color by 10%, you get **58.8593, 73.8004, 79.2486**, and if you desaturate by 10%, it is **72.1252, 80.4670, 87.6536**.

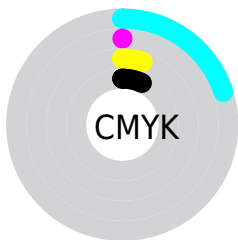
Distribution



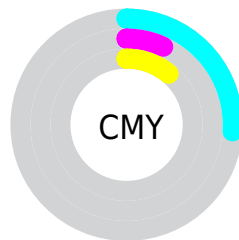
- Red (74%)
- Green (93%)
- Blue (89%)



- Red (74%)
- Yellow (85%)
- Blue (93%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (26%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9979, 76.8782, 83.3647 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 64.9979, 76.8782, 83.3647 by changing the saturation by 10% instead.

64.9979, 76.8782,
83.3647

64.9979, 76.8782,
83.3647

432.3298,
484.3486, 526.2040

47.7241, 57.1529,
61.9487

111.1126,
128.9675, 139.9399

33.8188, 41.1280,
44.5557

140.6841,
162.1004, 175.9362

22.9166, 28.4191,
30.7672

175.0856,
200.4712, 217.6298

14.6523, 18.6418,
20.1647

214.6824,
244.4644, 265.4390

8.6605, 11.4118,
12.3296

259.8399,
294.4643, 319.7825

4.5757, 6.3445,
6.8433

310.9233,

2.0327, 3.0557,

350.8554, 381.0788

3.2873

368.2982,
414.0221, 449.7464

0.6522, 1.1609,
1.2431

0.0000, 0.0294,
0.0145

64.9979, 76.8782,
83.3647

64.9979, 76.8782,
83.3647

58.8593, 73.8004,
79.2486

72.1252, 80.4670,
87.6536

53.6559, 71.2001,
75.2969

80.2783, 84.5798,
92.1133

49.3393, 69.0542,
71.5078

87.5977, 88.2600,
96.6595

45.8539, 67.3341,
67.8774

88.4274, 88.5919,
101.0286

■ 43.1376, 66.0080,
64.4018

■ 89.2815, 88.9336,
105.5265

■ 41.1196, 65.0392,
61.0763

■ 89.5756, 89.0512,
107.0752

■ 39.7154, 64.3842,
57.8960

■ 38.7994, 63.9767,
54.9283

Harmonies

Analogous

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



66.0991, 76.8782, 71.9904



64.9979, 76.8782, 83.3647



65.9871, 76.8782, 95.9788

Triad

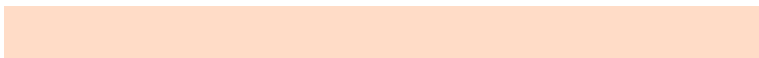
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.9979, 76.8782, 83.3647



77.2383, 76.8782, 106.4882



77.4538, 76.8782, 64.7203

Complementary

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



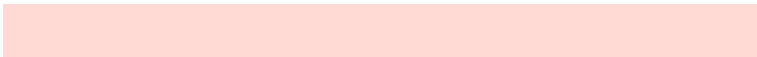
64.9979, 76.8782, 83.3647



63.5507, 58.5718, 62.6029

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.



80.6434, 76.8782, 72.5291



64.9979, 76.8782, 83.3647



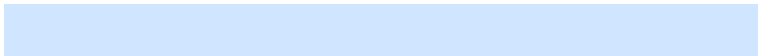
80.5155, 76.8782, 96.6312

Square

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



64.9979, 76.8782, 83.3647



72.9507, 76.8782, 110.1064



81.7851, 76.8782, 84.0508



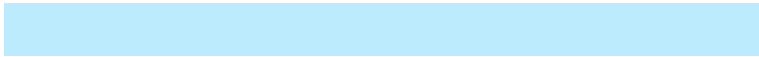
73.1903, 76.8782, 61.9059

Rectangle

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



64.9979, 76.8782, 83.3647



67.7221, 76.8782, 103.2411



81.7851, 76.8782, 84.0508



78.6932, 76.8782, 66.8072

Sweetspot

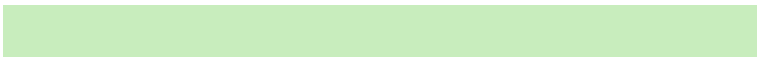
The Sweet Spot groups the original color and five complimentary colors.



65.0001, 76.8814, 83.3664



89.0838, 96.9890, 105.7002



63.3447, 76.5527, 59.5828



18.9344, 20.6925, 22.5506



0.0000, 0.0000, 0.0000



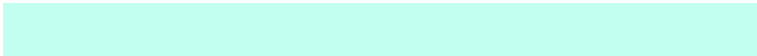
20.3446, 21.4041, 23.3091

Same Dimension

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



65.0001, 76.8814, 83.3664



73.8298, 89.3121, 96.5446



62.9841, 70.3549, 90.3848



15.3614, 17.0594, 18.5858



21.2345, 34.9483, 30.2637



1.7034, 2.7587, 2.5658

Inverse Universe

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



63.5507, 58.5718, 62.6029



71.8514, 64.3002, 68.1880



65.1865, 63.8282, 57.0297



15.2069, 15.1106, 16.3748



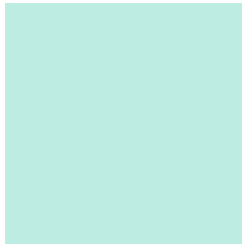
19.4768, 9.9934, 3.0463



1.5653, 0.7991, 0.4284

Previews

White Background



This preview shows how the XYZ color 64.9979, 76.8782, 83.3647 looks on a white background.

Color Contrast Check

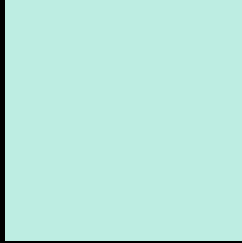
Large Text (above 18pt) WCAG AA × Fail

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 64.9979, 76.8782, 83.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

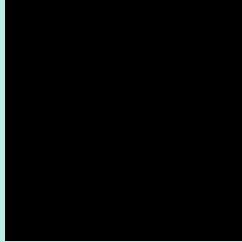
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

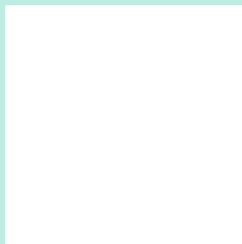
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9979, 76.8782, 83.3647

Background



This preview shows how black text looks on a background with the XYZ color 64.9979, 76.8782, 83.3647.

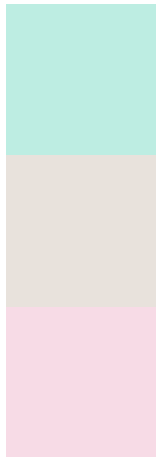


This preview shows how white text looks on a background with the XYZ color 64.9979, 76.8782,

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

64.9979, 76.8782, 83.3647

Protanopia

73.3933, 76.7158, 78.6495

Deuteranopia

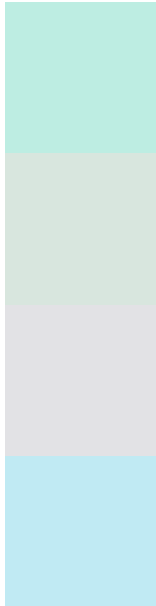
77.9722, 76.1504, 85.4518



Tritanopia

68.9577, 76.7754, 103.2801

Trichromacy



Original Color

64.9979, 76.8782, 83.3647

Protanomaly

69.8005, 76.4665, 80.1879

Deuteranomaly

72.7032, 76.2186, 85.0085

Tritanomaly

67.3387, 76.5232, 96.0153

Monochromacy



Original Color

64.9979, 76.8782, 83.3647

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.0829, 73.8212, 80.5253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9979, 76.8782, 83.3647 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, 237, 226)` looks like.

```
.text, #text, p{  
    color:rgb(189, 237, 226)  
}
```

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, 237, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 237, 226) }
```

Border

The CSS property to change the border of an element to XYZ 64.9979, 76.8782, 83.3647 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, 237, 226) }
```


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

```
.border{ border-color:rgb(189, 237, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 237, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 237, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 237, 226);  
box-shadow:4px 4px 4px 4px rgb(189, 237,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9979, 76.8782, 83.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 237, 226) }
```

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

```
.background{ background-color: rgb(189,  
237, 226) }
```

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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