

# Converting Colors

XYZ(67.0887, 82.6905, 77.2649)

Have a look what the booklet for  
XYZ(67.0887, 82.6905, 77.2649)  
contains.

<b>XYZ(66.8906, 82.4265, 77.3502)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(66.8906, 82.4265,  
77.3502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEF7D8
RGB	190, 247, 216
RGB Percent	75%, 97%, 85%
CMY	0.2549, 0.0314, 0.1529
CMYK	0.23, 0.00, 0.13, 0.03
HSL	147°, 78%, 86%
HSV	147°, 23%, 97%
XYZ	66.8906, 82.4265, 77.3502
YIQ	226.4230, -24.0210, -21.7250

# Conversions

## Conversions Part 2

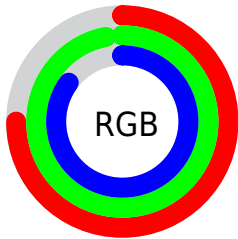
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 229, 247
Decimal	12515288
CIE <sub>Lab</sub>	92.76, -24.06, 9.07
CIE <sub>LCh</sub>	93, 25.710, 159.352
Yxy	82.4265, 0.2951, 0.3636
Android (android.graphics.Color)	4290705368 (0xFFBEF7D8)
YUV	226.4230, -5.1385, -31.9430
Hunter-Lab	90.7890, -27.3675, 13.0386

# Details

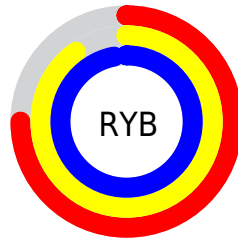
The XYZ color **66.8906, 82.4265, 77.3502** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.8252, 61.8235, 76.6629**, and the grayscale version is **72.6452, 76.4284, 83.2306**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **34.9998, 44.6344, 40.4888** is the 20% darker color. If you saturate the color by 10%, you get **59.5701, 78.8475, 68.3097**, and if you desaturate by 10%, it is **75.4031, 86.6082, 87.1913**.

# Distribution



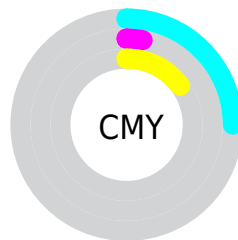
- Red (75%)
- Green (97%)
- Blue (85%)



- Red (75%)
- Yellow (90%)
- Blue (97%)



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)




- Cyan (25%)
- Magenta (3%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8906, 82.4265, 77.3502 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 66.8906, 82.4265, 77.3502 by changing the saturation by 10% instead.





 66.8906, 82.4265,  
77.3502

 66.8906, 82.4265,  
77.3502


438.9939,  
503.0732, 505.4266

 49.2661, 61.7172,  
57.0271

 113.8143,  
136.7719, 131.4112

 35.0460, 44.8042,  
40.6175

143.8442,  
171.1768, 165.9862

 23.8650, 31.3032,  
27.7029


178.7400,  
210.9157, 206.1489

 15.3577, 20.8299,  
17.8647

218.8669,  
256.3729, 252.3178

 9.1588, 12.9997,  
10.6845

264.5904,  
307.9328, 304.9115

 4.9028, 7.4283,  
5.7436

316.2759,

 2.2245, 3.7314,

365.9799, 364.3485

2.6235

374.2885,  
430.8986, 431.0473

0.7556, 1.5245,  
0.9046

0.0000, 0.3059,  
0.0000

66.8906, 82.4265,  
77.3502

66.8906, 82.4265,  
77.3502

59.5701, 78.8475,  
68.3097

75.4031, 86.6082,  
87.1913

53.3789, 75.8323,  
60.0440

85.1531, 91.4087,  
97.8470

48.2583, 73.3535,  
52.5338

92.5523, 95.0046,  
108.0674

44.1416, 71.3770,  
45.7569

■ 40.9542, 69.8648,  
39.6899

■ 38.6101, 68.7731,  
34.3081

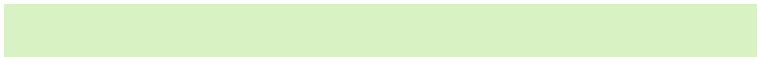
■ 37.0058, 68.0489,  
29.5847

■ 36.2240, 67.7093,  
26.6836

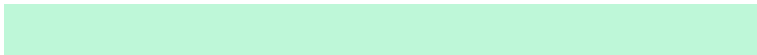
# Harmonies

## Analogous

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



70.4517, 82.4265, 64.1225



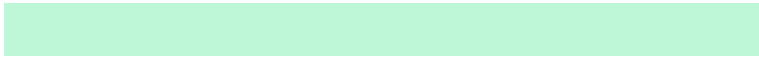
66.8906, 82.4265, 77.3502



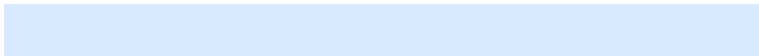
66.3013, 82.4265, 95.8816

# Triad

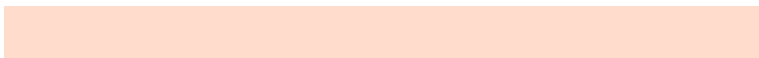
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.8906, 82.4265, 77.3502



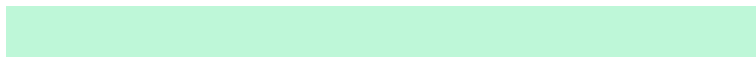
80.4571, 82.4265, 131.3230



88.7398, 82.4265, 68.3173

# Complementary

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



66.8906, 82.4265, 77.3502



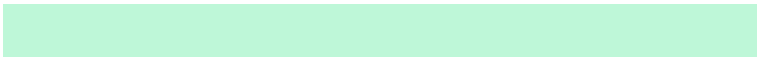
69.8252, 61.8235, 76.6629

# 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.



91.7630, 82.4265, 83.8826



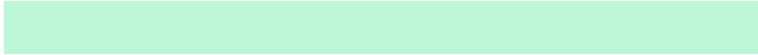
66.8906, 82.4265, 77.3502



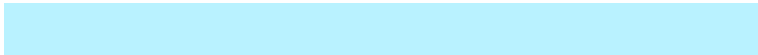
86.8045, 82.4265, 121.4272

# Square

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



66.8906, 82.4265, 77.3502



73.8859, 82.4265, 128.9138



91.0352, 82.4265, 103.4054

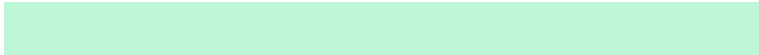


82.9777, 82.4265, 59.4470



# Rectangle

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



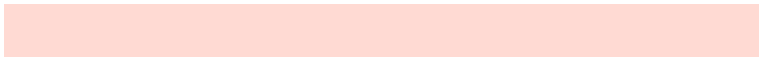
66.8906, 82.4265, 77.3502



67.6374, 82.4265, 109.0864



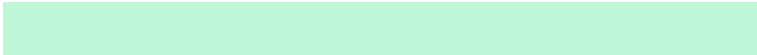
91.0352, 82.4265, 103.4054



90.1246, 82.4265, 72.8426

# Sweetspot

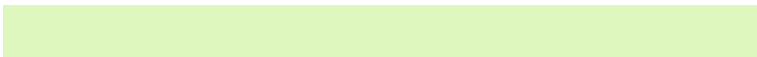
The Sweet Spot groups the original color and five complimentary colors.



66.8929, 82.4299, 77.3520



87.2612, 96.1608, 100.5816



72.4833, 85.6701, 61.4319



18.5405, 20.5149, 21.3795



0.0000, 0.0000, 0.0000

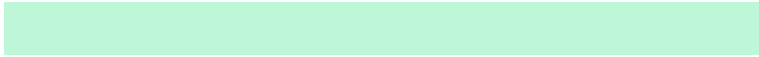


20.3446, 21.4041, 23.3091

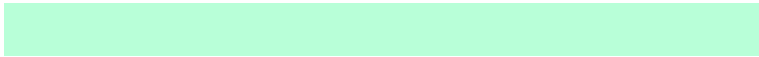


# Same Dimension

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



66.8929, 82.4299, 77.3520



67.8477, 86.6275, 78.2237



70.8506, 84.0130, 98.1932



16.5965, 18.5978, 19.1597



19.2265, 35.8354, 14.4784



1.7410, 3.1701, 1.5420



# Inverse Universe

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



69.8252, 61.8235, 76.6629



71.5405, 60.6722, 77.3523



66.3825, 60.4464, 58.5341



16.8761, 16.6333, 19.0944



22.6471, 11.4023, 13.3818

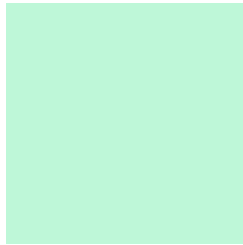


2.0423, 1.0229, 1.4491



# Previews

## White Background



This preview shows how the XYZ color 66.8906, 82.4265, 77.3502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

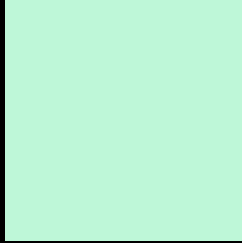
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.8906, 82.4265, 77.3502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

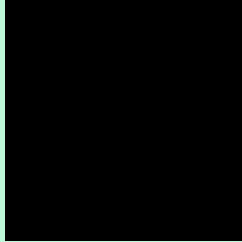
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

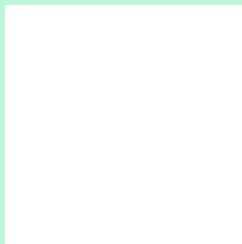
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.8906, 82.4265, 77.3502

## Background



This preview shows how black text looks on a background with the XYZ color 66.8906, 82.4265, 77.3502.



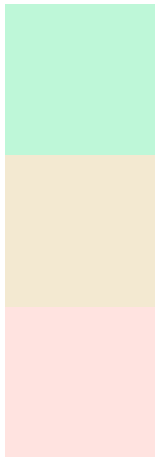
This preview shows how white text looks on a background with the XYZ color 66.8906, 82.4265,



# 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

66.8906, 82.4265, 77.3502

### Protanopia

77.6097, 81.9360, 72.0464

### Deuteranopia

82.1636, 81.5800, 81.9370



## **Tritanopia**

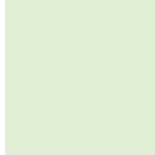
74.3701, 82.0748, 106.5300

# Trichromacy



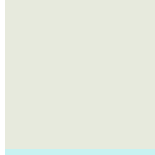
## Original Color

66.8906, 82.4265, 77.3502



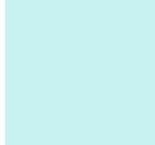
## Protanomaly

73.1987, 81.7498, 74.2087



## Deuteranomaly

75.4290, 81.0550, 80.0763



## Tritanomaly

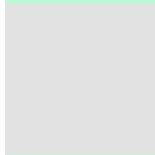
71.4487, 82.1345, 95.3069

# Monochromacy



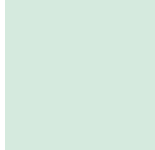
## Original Color

66.8906, 82.4265, 77.3502



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

70.0482, 78.2657, 80.5221

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.8906, 82.4265, 77.3502 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(190, 247, 216)` looks like.

```
.text, #text, p{  
    color:rgb(190, 247, 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(190, 247, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 247, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 66.8906, 82.4265, 77.3502 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(190, 247, 216) }
```



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

```
.border{ border-color:rgb(190, 247, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 247, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 247, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 247, 216);  
box-shadow:4px 4px 4px 4px rgb(190, 247,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.8906, 82.4265, 77.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 247, 216) }
```

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

```
.background{ background-color: rgb(190,  
247, 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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