

# Converting Colors

XYZ(66.1334, 80.7436, 74.2606)

Have a look what the booklet for  
XYZ(66.1334, 80.7436, 74.2606)  
contains.

<b>XYZ(66.2267, 80.7923, 74.3913)</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(66.2267, 80.7923,  
74.3913)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1F4D4
RGB	193, 244, 212
RGB Percent	76%, 96%, 83%
CMY	0.2431, 0.0431, 0.1686
CMYK	0.21, 0.00, 0.13, 0.04
HSL	142°, 70%, 86%
HSV	142°, 21%, 96%
XYZ	66.2267, 80.7923, 74.3913
YIQ	225.1030, -20.1240, -20.7640

# Conversions

## Conversions Part 2

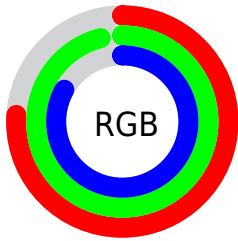
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 230, 244
Decimal	12711124
CIE <sub>Lab</sub>	92.04, -22.42, 10.12
CIE <sub>LCh</sub>	92, 24.596, 155.695
Yxy	80.7923, 0.2991, 0.3649
Android (android.graphics.Color)	4290901204 (0xFFC1F4D4)
YUV	225.1030, -6.4598, -28.1543
Hunter-Lab	89.8845, -25.7796, 13.8489

# Details

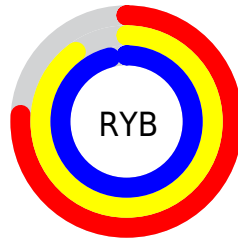
The XYZ color **66.2267, 80.7923, 74.3913** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.9717, 62.8113, 79.6737**, and the grayscale version is **71.6993, 75.4332, 82.1468**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **34.7165, 43.8897, 38.5401** is the 20% darker color. If you saturate the color by 10%, you get **58.6717, 77.1125, 64.4299**, and if you desaturate by 10%, it is **74.9956, 85.0812, 85.3691**.

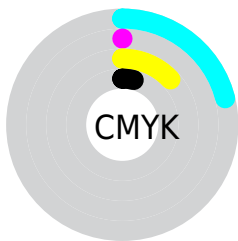
# Distribution



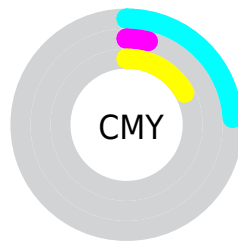
- Red (76%)
- Green (96%)
- Blue (83%)



- Red (76%)
- Yellow (90%)
- Blue (96%)



- Cyan (21%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)




- Cyan (24%)
- Magenta (4%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2267, 80.7923, 74.3913 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 66.2267, 80.7923, 74.3913 by changing the saturation by 10% instead.





 66.2267, 80.7923,  
74.3913

 66.2267, 80.7923,  
74.3913


436.6631,  
497.5989, 495.0223

 48.7248, 60.3706,  
54.6156


 112.8676,  
134.4791, 127.1895

 34.6149, 43.7174,  
38.6976


142.7373,  
168.5129, 161.0491

 23.5315, 30.4484,  
26.2185


177.4604,  
207.8529, 200.4405

 15.1093, 20.1792,  
16.7599

217.4021,  
252.8834, 245.7821

 8.9829, 12.5254,  
9.9033

262.9279,  
303.9889, 297.4926

 4.7871, 7.1025,  
5.2302

314.4031,

 2.1563, 3.5263,

361.5537, 355.9904

2.3218

372.1930,  
425.9623, 421.6941

■ 0.7196, 1.4123,  
0.7434

■ 0.0000, 0.2258,  
0.0000

■ 66.2267, 80.7923,  
74.3913

■ 66.2267, 80.7923,  
74.3913

■ 58.6717, 77.1125,  
64.4299

■ 74.9956, 85.0812,  
85.3691

■ 52.2685, 74.0037,  
55.4503

■ 85.0234, 89.9951,  
97.3856

■ 46.9596, 71.4390,  
47.4240

■ 91.6422, 93.1844,  
107.7641

■ 42.6795, 69.3853,  
40.3190

■ 39.3555, 67.8059,  
34.1012

■ 36.9046, 66.6587,  
28.7345

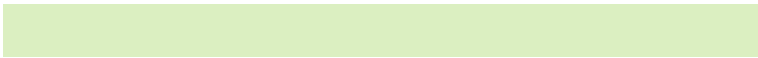
■ 35.2284, 65.8936,  
24.1801

■ 34.2361, 65.4580,  
20.7047

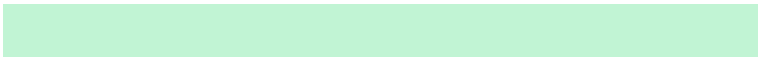
# Harmonies

## Analogous

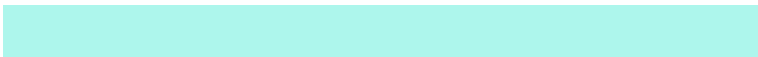
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9078, 80.7923, 62.5947



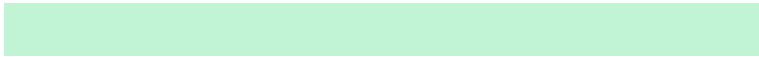
66.2267, 80.7923, 74.3913



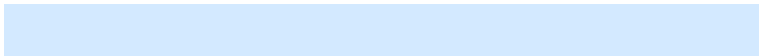
65.3082, 80.7923, 91.4723

# Triad

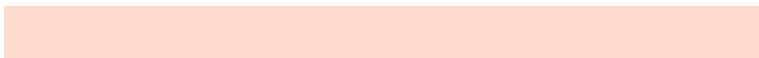
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.2267, 80.7923, 74.3913



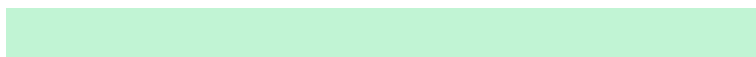
78.0043, 80.7923, 127.4000



87.1024, 80.7923, 69.1632

# Complementary

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



66.2267, 80.7923, 74.3913



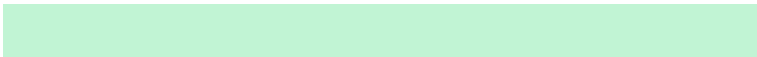
69.9717, 62.8113, 79.6737

# 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.



89.5458, 80.7923, 84.5565



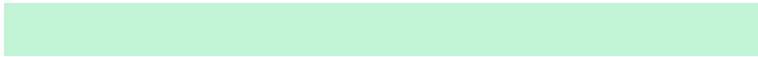
66.2267, 80.7923, 74.3913



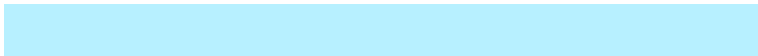
84.1111, 80.7923, 119.4134

# Square

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



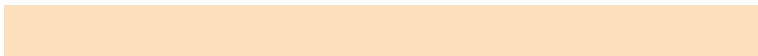
66.2267, 80.7923, 74.3913



71.8905, 80.7923, 123.7028



88.4222, 80.7923, 103.1059

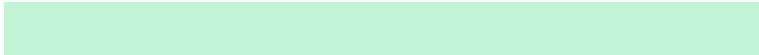


81.9086, 80.7923, 59.8790



# Rectangle

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



66.2267, 80.7923, 74.3913



66.3397, 80.7923, 103.9594



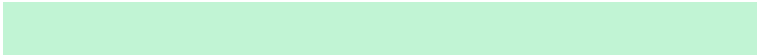
88.4222, 80.7923, 103.1059



88.2853, 80.7923, 73.7087

# Sweetspot

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



66.2289, 80.7957, 74.3931



88.1359, 96.6098, 100.7087



73.1242, 84.6112, 62.9307



18.7103, 20.6028, 21.3704



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

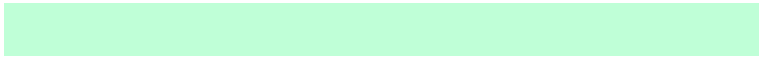


# Same Dimension

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



66.2289, 80.7957, 74.3931



69.5743, 87.5350, 77.5180



69.6610, 82.1685, 92.4662



16.5375, 18.5741, 18.8488



18.6755, 35.6150, 11.5767



1.6894, 3.1494, 1.2703



# Inverse Universe

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



69.9717, 62.8113, 79.6737



74.3847, 64.4145, 84.3004



66.7826, 61.5357, 62.8803



16.9365, 16.6575, 19.4124



23.4856, 11.7377, 17.7971

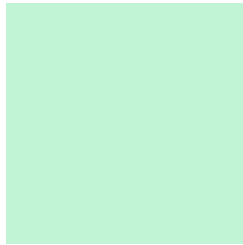


2.1138, 1.0515, 1.8255



# Previews

## White Background



This preview shows how the XYZ color 66.2267, 80.7923, 74.3913 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

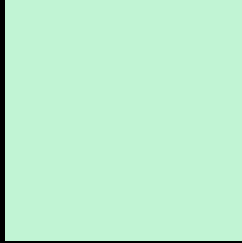
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.2267, 80.7923, 74.3913 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

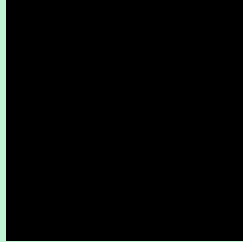
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.2267, 80.7923, 74.3913**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.2267, 80.7923, 74.3913.



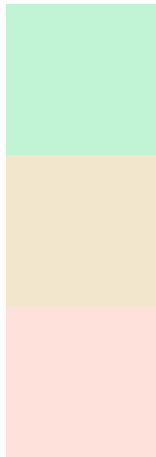
This preview shows how white text looks on a background with the XYZ color 66.2267, 80.7923,



# 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

66.2267, 80.7923, 74.3913

### Protanopia

76.2133, 80.4369, 69.2666

### Deuteranopia

80.9514, 80.2249, 78.2362



## Tritanopia

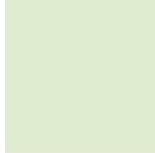
72.9628, 80.4849, 106.2973

# Trichromacy



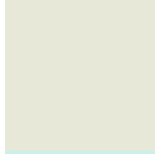
## Original Color

66.2267, 80.7923, 74.3913



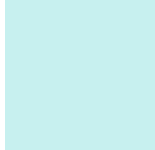
## Protanomaly

72.1211, 80.3923, 71.3906



## Deuteranomaly

74.5300, 79.8269, 76.4457



## Tritanomaly

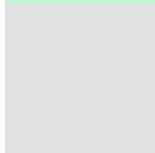
70.2933, 80.6943, 93.5321

# Monochromacy



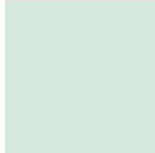
## Original Color

66.2267, 80.7923, 74.3913



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

69.2155, 77.0267, 78.9297

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.2267, 80.7923, 74.3913 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(193, 244, 212)` looks like.

```
.text, #text, p{  
    color:rgb(193, 244, 212)  
}
```

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(193, 244, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 244, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 66.2267, 80.7923, 74.3913 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(193, 244, 212) }
```



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

```
.border{ border-color:rgb(193, 244, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 244, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 244, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 244, 212);  
box-shadow:4px 4px 4px 4px rgb(193, 244,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.2267, 80.7923, 74.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 244, 212) }
```

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

```
.background{ background-color: rgb(193,  
244, 212) }
```

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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