

# Converting Colors

XYZ(66.7799, 79.0215, 87.6451)

Have a look what the booklet for  
XYZ(66.7799, 79.0215, 87.6451)  
contains.

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# Color

**XYZ(66.8191, 79.0368,  
87.3352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEF0E7
RGB	190, 240, 231
RGB Percent	75%, 94%, 91%
CMY	0.2549, 0.0588, 0.0941
CMYK	0.21, 0.00, 0.04, 0.06
HSL	169°, 63%, 84%
HSV	169°, 21%, 94%
XYZ	66.8191, 79.0368, 87.3352
YIQ	224.0240, -26.9110, -13.3990

# Conversions

## Conversions Part 2

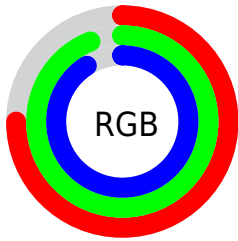
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 217, 240
Decimal	12513511
CIE <sub>Lab</sub>	91.25, -17.70, -0.91
CIE <sub>LCh</sub>	91, 17.724, 182.945
Yxy	79.0368, 0.2865, 0.3389
Android (android.graphics.Color)	4290703591 (0xFFBEF0E7)
YUV	224.0240, 3.4392, -29.8390
Hunter-Lab	88.9026, -21.4193, 3.9872

# Details

The XYZ color **66.8191, 79.0368, 87.3352** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6602, 59.4779, 62.1086**, and the grayscale version is **70.8605, 74.5507, 81.1858**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **35.0317, 42.6104, 46.9357** is the 20% darker color. If you saturate the color by 10%, you get **60.7088, 75.9586, 83.9038**, and if you desaturate by 10%, it is **73.9360, 82.6364, 90.8958**.

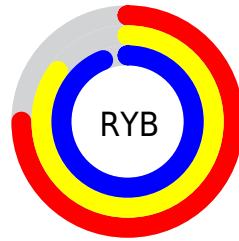
# Distribution



Red (75%)

Green (94%)

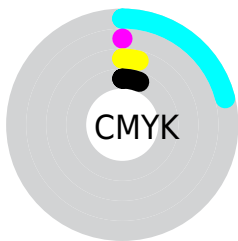
Blue (91%)



Red (75%)

Yellow (85%)

Blue (94%)

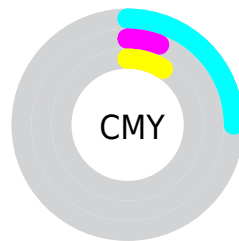


Cyan (21%)

Magenta (0%)

Yellow (4%)

Black (6%)



Cyan (25%)

Magenta (6%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8191, 79.0368, 87.3352 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 66.8191, 79.0368, 87.3352 by changing the saturation by 10% instead.



66.8191, 79.0368,  
87.3352

66.8191, 79.0368,  
87.3352

438.7432,  
491.6808, 539.6685

49.2078, 58.9261,  
65.2114

113.7124,  
132.0107, 145.5342

34.9996, 42.5536,  
47.1801

143.7251,  
165.6426, 182.4466

23.8290, 29.5350,  
32.8227

178.6023,  
204.5504, 225.1256

15.3309, 19.4859,  
21.7206

218.7093,  
249.1184, 273.9897

9.1398, 12.0219,  
13.4554

264.4116,  
299.7310, 329.4575

4.8903, 6.7586,  
7.6085

316.0744,

2.2171, 3.3116,

356.7727, 391.9475

3.7613

374.0632,  
420.6279, 461.8784

■ 0.7517, 1.2965,  
1.4953

■ 0.0000, 0.1385,  
0.2144

■ 66.8191, 79.0368,  
87.3352

■ 66.8191, 79.0368,  
87.3352

■ 60.7088, 75.9586,  
83.9038

■ 73.9360, 82.6364,  
90.8958

■ 55.5501, 73.3671,  
80.5933

■ 82.0979, 86.7709,  
94.5828

■ 51.2927, 71.2385,  
77.4025

■ 88.7254, 90.1125,  
98.2778

■ 47.8790, 69.5432,  
74.3283

■ 89.3893, 90.3781,  
101.7740

■ 45.2449, 68.2481,  
71.3669

■ 90.0688, 90.6499,  
105.3518

■ 43.3165, 67.3151,  
68.5144

■ 90.4515, 90.8030,  
107.3672

■ 42.0058, 66.6989,  
65.7660

■ 41.2156, 66.3446,  
63.3316

# Harmonies

## Analogous

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



67.6868, 79.0368, 75.2855



66.8191, 79.0368, 87.3352



68.1018, 79.0368, 100.2290

# Triad

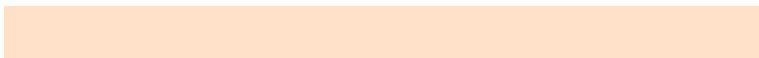
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.8191, 79.0368, 87.3352



79.9198, 79.0368, 108.5396



79.1212, 79.0368, 65.8473

# Complementary

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



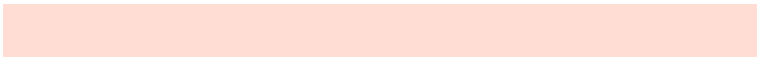
66.8191, 79.0368, 87.3352



64.6602, 59.4779, 62.1086

# 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.



82.6091, 79.0368, 73.2893



66.8191, 79.0368, 87.3352



83.0829, 79.0368, 97.8112

# Square

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



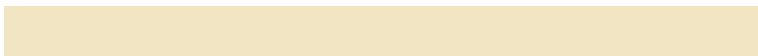
66.8191, 79.0368, 87.3352



75.5669, 79.0368, 113.2122



84.0859, 79.0368, 84.7926



74.6791, 79.0368, 63.6344

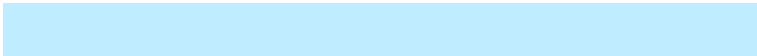


# Rectangle

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



66.8191, 79.0368, 87.3352



70.0348, 79.0368, 107.3555



84.0859, 79.0368, 84.7926



80.4500, 79.0368, 67.7811

# Sweetspot

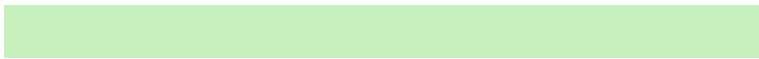
The Sweet Spot groups the original color and five complimentary colors.



66.8214, 79.0401, 87.3370



89.2030, 97.0366, 106.3278



64.0542, 78.2061, 60.4359



18.9627, 20.7038, 22.6993



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

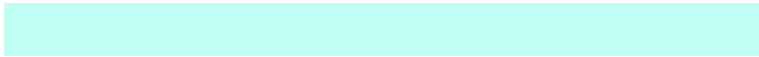


# Same Dimension

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



66.8214, 79.0401, 87.3370



73.5654, 89.1314, 98.5344



63.6663, 70.6421, 92.7215



16.1181, 17.8773, 19.6449



22.6063, 36.3345, 34.9055



1.9121, 3.0353, 3.0698



# Inverse Universe

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



64.6602, 59.4779, 62.1086



70.6725, 62.9296, 64.7521



67.2633, 66.3079, 57.9702



15.8890, 15.8053, 16.9717



19.9468, 10.2511, 2.3704

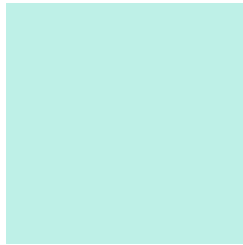


1.6918, 0.8658, 0.3680



# Previews

## White Background



This preview shows how the XYZ color 66.8191, 79.0368, 87.3352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

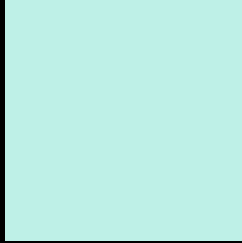
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.8191, 79.0368, 87.3352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

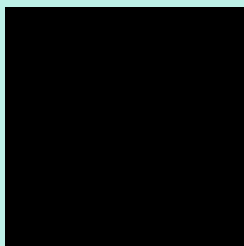
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

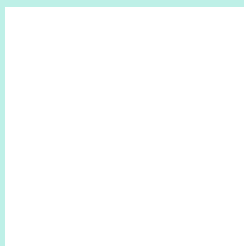
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.8191, 79.0368, 87.3352**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.8191, 79.0368, 87.3352.



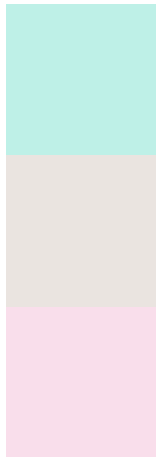
This preview shows how white text looks on a background with the XYZ color 66.8191, 79.0368,



# 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

66.8191, 79.0368, 87.3352

### Protanopia

75.1296, 78.3610, 81.6864

### Deuteranopia

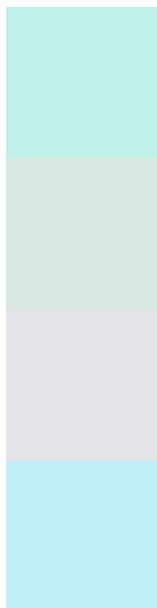
80.1836, 78.3804, 89.5001



## Tritanopia

70.5511, 78.8130, 106.1017

# Trichromacy



## Original Color

66.8191, 79.0368, 87.3352

## Protanomaly

71.6352, 78.1647, 83.9848

## Deuteranomaly

74.8655, 78.4731, 89.0429

## Tritanomaly

68.9111, 78.5597, 98.7203

# Monochromacy



## Original Color

66.8191, 79.0368, 87.3352

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

69.3133, 76.1367, 83.7157

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.8191, 79.0368, 87.3352 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, 240, 231)` looks like.

```
.text, #text, p{  
    color:rgb(190, 240, 231)  
}
```

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, 240, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 240, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 66.8191, 79.0368, 87.3352 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, 240, 231) }
```



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

```
.border{ border-color:rgb(190, 240, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 240, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 240, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 240, 231);  
box-shadow:4px 4px 4px 4px rgb(190, 240,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.8191, 79.0368, 87.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 240, 231) }
```

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

```
.background{ background-color: rgb(190,  
240, 231) }
```

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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