

# Converting Colors

XYZ(65.9699, 78.4833, 68.7998)

Have a look what the booklet for  
XYZ(65.9699, 78.4833, 68.7998)  
contains.

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# Color

**XYZ(66.1227, 78.6492,  
68.8225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAEFCC
RGB	202, 239, 204
RGB Percent	79%, 94%, 80%
CMY	0.2078, 0.0627, 0.2000
CMYK	0.15, 0.00, 0.15, 0.06
HSL	123°, 54%, 86%
HSV	123°, 15%, 94%
XYZ	66.1227, 78.6492, 68.8225
YIQ	223.9470, -10.8170, -18.7290

# Conversions

## Conversions Part 2

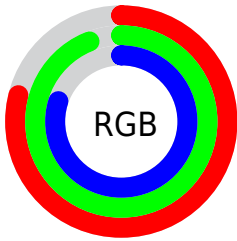
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 237, 239
Decimal	13299660
CIE Lab	91.08, -18.49, 12.97
CIE LCh	91, 22.590, 144.953
Yxy	78.6492, 0.3096, 0.3682
Android (android.graphics.Color)	4291489740 (0xFFCAEFCC)
YUV	223.9470, -9.8339, -19.2475
Hunter-Lab	88.6844, -22.1088, 16.0677

# Details

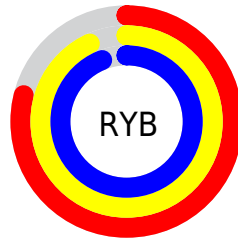
The XYZ color **66.1227, 78.6492, 68.8225** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.0060, 66.7080, 89.2052**, and the grayscale version is **70.8890, 74.5808, 81.2185**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6512, 42.3649, 35.2051** is the 20% darker color. If you saturate the color by 10%, you get **57.6322, 74.5654, 55.2831**, and if you desaturate by 10%, it is **76.0127, 83.4135, 84.4855**.

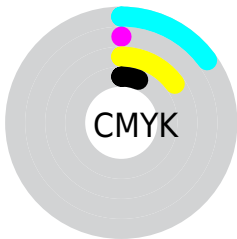
# Distribution



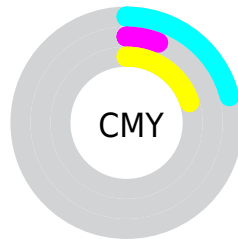
- Red (79%)
- Green (94%)
- Blue (80%)



- Red (79%)
- Yellow (93%)
- Blue (94%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)



- Cyan (21%)
- Magenta (6%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1227, 78.6492, 68.8225 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 66.1227, 78.6492, 68.8225 by changing the saturation by 10% instead.



■ 66.1227, 78.6492,  
68.8225

■ 66.1227, 78.6492,  
68.8225

436.2973,  
490.3688, 475.0817

■ 48.6401, 58.6074,  
50.0963

112.7192,  
131.4649, 119.1933

■ 34.5474, 42.2972,  
35.1182

142.5637,  
165.0076, 151.6750

■ 23.4793, 29.3341,  
23.4697

177.2597,  
203.8194, 189.5790

■ 15.0705, 19.3337,  
14.7321

217.1723,  
248.2847, 233.3238

■ 8.9555, 11.9116,  
8.4871

262.6671,  
298.7879, 283.3279

■ 4.7690, 6.6835,  
4.3160

314.1092,

■ 2.1458, 3.2650,

355.7134, 340.0099

1.8002

371.8642,  
419.4456, 403.7883

■ 0.7139, 1.2716,  
0.4281

■ 0.0000, 0.1190,  
0.0000

■ 66.1227, 78.6492,  
68.8225

■ 66.1227, 78.6492,  
68.8225

■ 57.6322, 74.5654,  
55.2831

■ 76.0127, 83.4135,  
84.4855

■ 50.4720, 71.1215,  
43.7709

■ 87.3546, 88.8768,  
102.3523

■ 44.5765, 68.2882,  
34.1900

■ 90.1580, 90.2161,  
107.2693

■ 39.8722, 66.0299,  
26.4346

■ 36.2778, 64.3070,  
20.3889

■ 33.7021, 63.0753,  
15.9237

■ 32.0391, 62.2834,  
12.8916

■ 31.1594, 61.8683,  
11.1172

■ 30.9402, 61.7649,  
10.6692

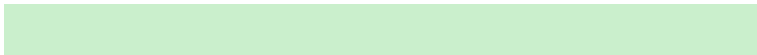
# Harmonies

## Analogous

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



70.2179, 78.6492, 60.1793



66.1227, 78.6492, 68.8225



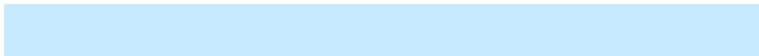
64.3442, 78.6492, 82.8999

# Triad

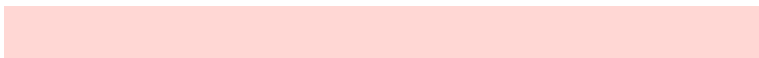
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.1227, 78.6492, 68.8225



73.7923, 78.6492, 120.9215



85.1537, 78.6492, 73.0463

# Complementary

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



66.1227, 78.6492, 68.8225



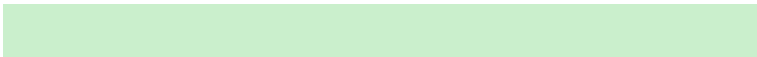
72.0060, 66.7080, 89.2052

# 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.



86.2294, 78.6492, 88.4308



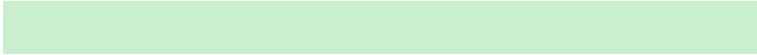
66.1227, 78.6492, 68.8225



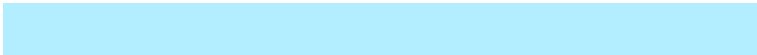
79.4807, 78.6492, 117.4159

# Square

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



66.1227, 78.6492, 68.8225



68.6260, 78.6492, 114.0359



84.1049, 78.6492, 104.9856

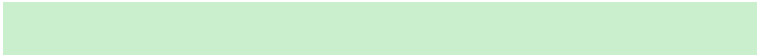


81.2357, 78.6492, 62.3916



# Rectangle

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



66.1227, 78.6492, 68.8225



64.6425, 78.6492, 94.0059



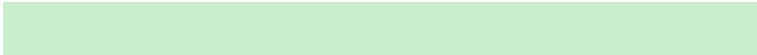
84.1049, 78.6492, 104.9856



85.8679, 78.6492, 77.7776

# Sweetspot

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



66.1248, 78.6525, 68.8242



88.6323, 96.9089, 98.7798



76.5057, 84.0316, 68.0654



18.7852, 20.6531, 20.8496



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

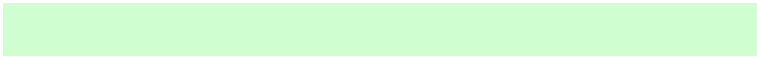


# Same Dimension

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



66.1248, 78.6525, 68.8242



72.8962, 89.3325, 73.8324



68.4578, 79.5857, 81.1094



15.6005, 17.6702, 16.9194



17.1119, 34.1368, 5.9722



1.4356, 2.8447, 0.5605



# Inverse Universe

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



72.0060, 66.7080, 89.2052



81.0750, 72.7203, 102.1754



69.4598, 65.6896, 75.7971



16.4152, 16.0158, 19.7426



27.2797, 13.1843, 40.9851



2.2806, 1.1013, 3.4686



# Previews

## White Background



This preview shows how the XYZ color 66.1227, 78.6492, 68.8225 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 66.1227, 78.6492, 68.8225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

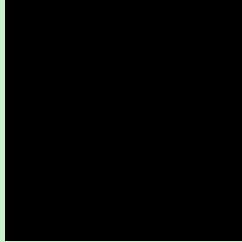
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

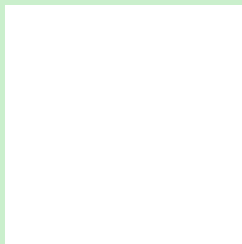
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.1227, 78.6492, 68.8225

## Background



This preview shows how black text looks on a background with the XYZ color 66.1227, 78.6492, 68.8225.



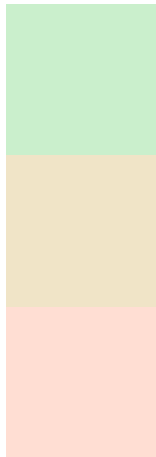
This preview shows how white text looks on a background with the XYZ color 66.1227, 78.6492,

68.8225.

# 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

66.1227, 78.6492, 68.8225

### Protanopia

73.9874, 78.1356, 65.2150

### Deuteranopia

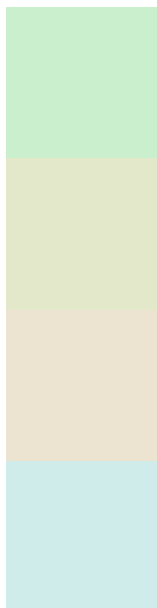
79.1191, 78.2057, 72.5532



## **Tritanopia**

72.8475, 78.3799, 102.5561

# Trichromacy



## Original Color

66.1227, 78.6492, 68.8225

## Protanomaly

70.7633, 78.0990, 66.6033

## Deuteranomaly

73.7206, 77.8737, 70.8201

## Tritanomaly

70.2917, 78.6226, 89.3128

# Monochromacy



## Original Color

66.1227, 78.6492, 68.8225

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

68.8626, 75.6473, 76.6176

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1227, 78.6492, 68.8225 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(202, 239, 204)` looks like.

```
.text, #text, p{  
    color:rgb(202, 239, 204)  
}
```

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(202, 239, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 239, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1227, 78.6492, 68.8225 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(202, 239, 204) }
```



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

```
.border{ border-color:rgb(202, 239, 204) }
```

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

Here you see how a box with a 4 pixel rgb(202, 239, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 239, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 239, 204);  
box-shadow:4px 4px 4px 4px rgb(202, 239,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1227, 78.6492, 68.8225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 239, 204) }
```

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

```
.background{ background-color: rgb(202,  
239, 204) }
```

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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