

# Converting Colors

XYZ(69.4295, 77.2856, 98.7286)

Have a look what the booklet for  
XYZ(69.4295, 77.2856, 98.7286)  
contains.

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# Color

**XYZ(69.3267, 77.0738,  
98.4116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E9F6
RGB	199, 233, 246
RGB Percent	78%, 91%, 96%
CMY	0.2196, 0.0863, 0.0353
CMYK	0.19, 0.05, 0.00, 0.04
HSL	197°, 72%, 87%
HSV	197°, 19%, 96%
XYZ	69.3267, 77.0738, 98.4116
YIQ	224.3160, -24.4370, -3.1650

# Conversions

## Conversions Part 2

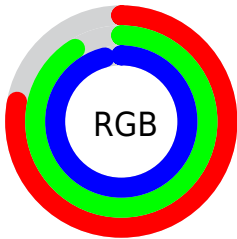
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 219, 246
Decimal	13101558
CIE Lab	90.36, -8.35, -10.00
CIE LCh	90, 13.026, 230.143
Yxy	77.0738, 0.2832, 0.3148
Android (android.graphics.Color)	4291291638 (0xFFC7E9F6)
YUV	224.3160, 10.6902, -22.2021
Hunter-Lab	87.7917, -12.6789, -5.0080

# Details

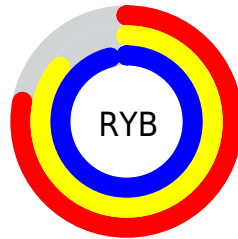
The XYZ color **69.3267, 77.0738, 98.4116** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8590, 70.8034, 63.9135**, and the grayscale version is **71.0178, 74.7163, 81.3660**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5180, 41.0913, 54.7219** is the 20% darker color. If you saturate the color by 10%, you get **61.4315, 70.2016, 97.5025**, and if you desaturate by 10%, it is **78.3558, 84.6448, 99.3983**.

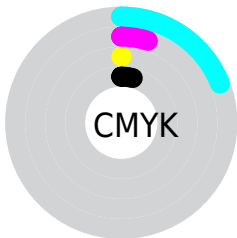
# Distribution



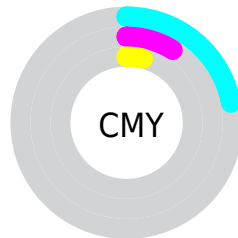
- Red (78%)
- Green (91%)
- Blue (96%)



- Red (78%)
- Yellow (86%)
- Blue (96%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (22%)
- Magenta (9%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3267, 77.0738, 98.4116 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 69.3267, 77.0738, 98.4116 by changing the saturation by 10% instead.



■ 69.3267, 77.0738,  
98.4116

■ 69.3267, 77.0738,  
98.4116

447.4858,  
485.0156, 576.2911

■ 51.2554, 57.3134,  
74.3652

117.2796,  
129.2437, 161.0054

■ 36.6338, 41.2570,  
54.5944

147.8919,  
162.4219, 200.3899

■ 25.0965, 28.5199,  
38.6807

183.4153,  
200.8417, 245.7242

■ 16.2780, 18.7179,  
26.2055

224.2152,  
244.8872, 297.4268

■ 9.8132, 11.4667,  
16.7503

270.6567,  
294.9430, 355.9162

■ 5.3366, 6.3816,  
9.8965

323.1055,

■ 2.4829, 3.0785,

351.3934, 421.6111

5.2257

381.9267,  
414.6228, 494.9299

0.8866, 1.1729,  
2.3192

0.0000, 0.0394,  
0.7420

69.3267, 77.0738,  
98.4116

69.3267, 77.0738,  
98.4116

61.4315, 70.2016,  
97.5025

78.3558, 84.6448,  
99.3983

54.6120, 63.9909,  
96.6631

88.5599, 92.9310,  
100.4599

48.8147, 58.4149,  
95.8924

93.1306, 98.4256,  
101.2796

43.9789, 53.4411,  
95.1873

93.6348, 99.4339,  
101.4476

■ 40.0368, 49.0332,  
94.5442

■ 36.9114, 45.1502,  
93.9595

■ 34.5113, 41.7437,  
93.4284

■ 32.6990, 38.7413,  
92.9444

■ 32.5500, 38.4844,  
92.9027

# Harmonies

## Analogous

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



67.5486, 77.0738, 90.2311



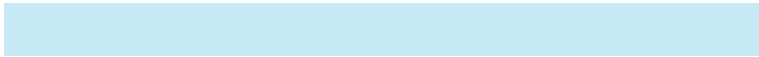
69.3267, 77.0738, 98.4116



72.1925, 77.0738, 102.8028

# Triad

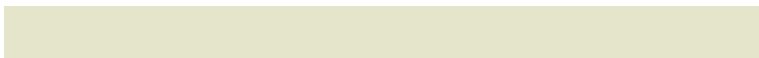
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.3267, 77.0738, 98.4116



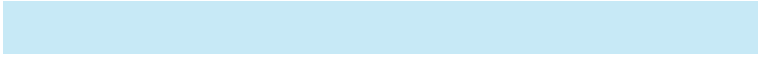
79.5828, 77.0738, 87.0192



71.1268, 77.0738, 68.2246

# Complementary

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



69.3267, 77.0738, 98.4116



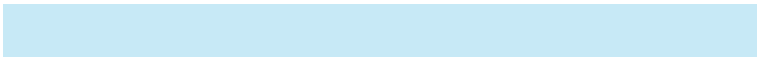
71.8590, 70.8034, 63.9135

# 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.



74.3305, 77.0738, 67.5042



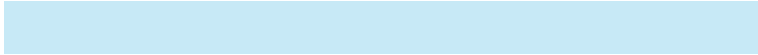
69.3267, 77.0738, 98.4116



79.2769, 77.0738, 77.9108

# Square

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



69.3267, 77.0738, 98.4116



78.1554, 77.0738, 95.9116



77.3317, 77.0738, 70.9263



68.5664, 77.0738, 72.9725



# Rectangle

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



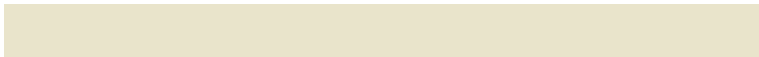
69.3267, 77.0738, 98.4116



74.3616, 77.0738, 102.7850



77.3317, 77.0738, 70.9263



72.1621, 77.0738, 67.5177

# Sweetspot

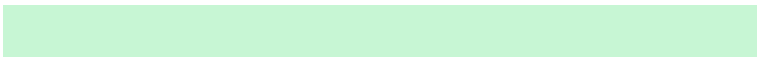
The Sweet Spot groups the original color and five complimentary colors.



69.3290, 77.0770, 98.4133



88.3085, 94.5429, 108.2020



68.3353, 82.7850, 74.3582



18.7506, 20.1126, 23.1438



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

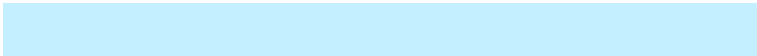


# Same Dimension

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



69.3290, 77.0770, 98.4133



71.7086, 80.6078, 106.3872



63.2277, 64.8743, 96.3796



16.5867, 17.9376, 21.1307



17.4974, 20.7885, 49.6284



1.6237, 1.9988, 4.3905



# Inverse Universe

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



73.1393, 66.3247, 86.0415



76.6067, 67.1170, 90.4094



78.0341, 83.1536, 65.9719



17.0067, 16.6855, 19.7818



24.6364, 12.1980, 23.8573

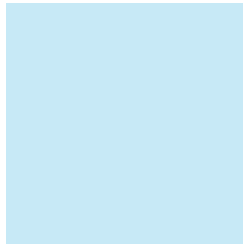


2.2086, 1.0894, 2.3251



# Previews

## White Background



This preview shows how the XYZ color 69.3267, 77.0738, 98.4116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

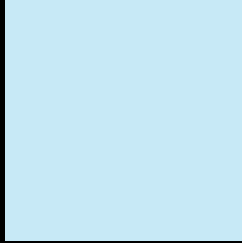
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3267, 77.0738, 98.4116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

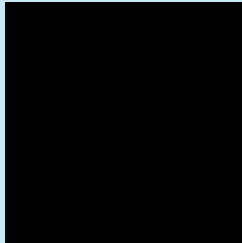
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.3267, 77.0738, 98.4116**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.3267, 77.0738, 98.4116.



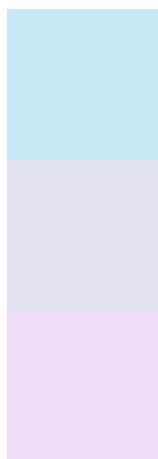
This preview shows how white text looks on a background with the XYZ color 69.3267, 77.0738,



# 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

69.3267, 77.0738, 98.4116

### Protanopia

74.7521, 77.0745, 94.1561

### Deuteranopia

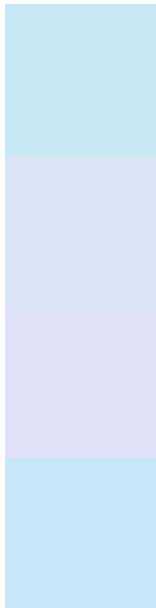
78.5519, 76.9032, 100.3262



## Tritanopia

70.0886, 76.9576, 102.4270

# Trichromacy



## Original Color

69.3267, 77.0738, 98.4116

## Protanomaly

72.8122, 77.2614, 95.8693

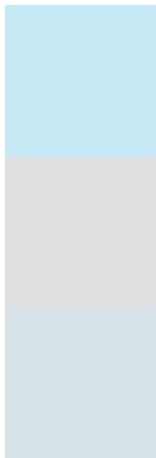
## Deuteranomaly

74.6090, 76.4750, 99.6358

## Tritanomaly

69.7749, 76.8321, 100.7751

# Monochromacy



## Original Color

69.3267, 77.0738, 98.4116

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.0589, 75.2114, 87.1687

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3267, 77.0738, 98.4116 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(199, 233, 246)` looks like.

```
.text, #text, p{  
    color:rgb(199, 233, 246)  
}
```

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(199, 233, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 233, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3267, 77.0738, 98.4116 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(199, 233, 246) }
```



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

```
.border{ border-color:rgb(199, 233, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 233, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 233, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 233, 246);  
box-shadow:4px 4px 4px 4px rgb(199, 233,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3267, 77.0738, 98.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 233, 246) }
```

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

```
.background{ background-color: rgb(199,  
233, 246) }
```

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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