

# Converting Colors

XYZ(69.1881, 76.7340, 99.3720)

Have a look what the booklet for  
XYZ(69.1881, 76.7340, 99.3720)  
contains.

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# Color

**XYZ(68.9338, 76.4344,  
99.1158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6E8F7
RGB	198, 232, 247
RGB Percent	78%, 91%, 97%
CMY	0.2235, 0.0902, 0.0314
CMYK	0.20, 0.06, 0.00, 0.03
HSL	198°, 75%, 87%
HSV	198°, 20%, 97%
XYZ	68.9338, 76.4344, 99.1158
YIQ	223.5440, -25.0790, -2.5430

# Conversions

## Conversions Part 2

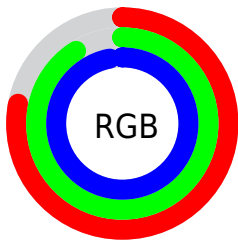
Format	Color
R <sub>Y</sub> B	198, 218, 247
Decimal	13035767
CIE Lab	90.06, -7.93, -10.97
CIE LCh	90, 13.534, 234.137
Yxy	76.4344, 0.2820, 0.3126
Android (android.graphics.Color)	4291225847 (0xFFC6E8F7)
YUV	223.5440, 11.5638, -22.4021
Hunter-Lab	87.4268, -12.2541, -6.0184

# Details

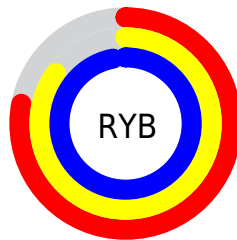
The XYZ color **68.9338, 76.4344, 99.1158** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.3457, 71.4399, 63.4039**, and the grayscale version is **70.4611, 74.1305, 80.7281**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2570, 40.6519, 55.2259** is the 20% darker color. If you saturate the color by 10%, you get **60.8647, 69.1851, 98.1431**, and if you desaturate by 10%, it is **78.1607, 84.4204, 100.1722**.

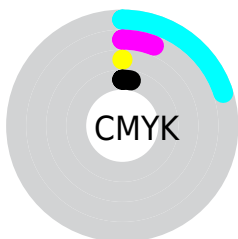
# Distribution



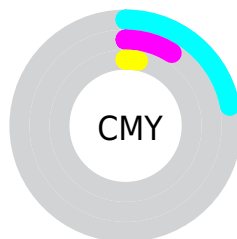
- Red (78%)
- Green (91%)
- Blue (97%)



- Red (78%)
- Yellow (85%)
- Blue (97%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (9%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9338, 76.4344, 99.1158 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 68.9338, 76.4344, 99.1158 by changing the saturation by 10% instead.



■ 68.9338, 76.4344,  
99.1158

■ 68.9338, 76.4344,  
99.1158

446.1225,  
482.8334, 578.5766

■ 50.9342, 56.7888,  
74.9495

116.7216,  
128.3408, 161.9828

■ 36.3771, 40.8357,  
55.0701

147.2406,  
161.3703, 201.5207

■ 24.8970, 28.1907,  
39.0589

182.6634,  
199.6300, 247.0195

■ 16.1287, 18.4695,  
26.4973

223.3554,  
243.5041, 298.8978

■ 9.7067, 11.2876,  
16.9670

269.6819,  
293.3771, 357.5741

■ 5.2657, 6.2606,  
10.0492

322.0084,

■ 2.4403, 3.0042,

349.6334, 423.4669

5.3256

380.7001,  
412.6574, 496.9949

■ 0.8653, 1.1339,  
2.3775

■ 0.0000, 0.0067,  
0.7741

■ 68.9338, 76.4344,  
99.1158

■ 68.9338, 76.4344,  
99.1158

■ 60.8647, 69.1851,  
98.1431

■ 78.1607, 84.4204,  
100.1722

■ 53.8940, 62.6343,  
97.2460

■ 88.5875, 93.1606,  
101.3097

■ 47.9672, 56.7541,  
96.4234

■ 93.6881, 99.2941,  
102.2247

■ 43.0220, 51.5107,  
95.6720

■ 93.7887, 99.4955,  
102.2583

■ 38.9892, 46.8666,  
94.9881

■ 35.7897, 42.7792,  
94.3678

■ 33.3295, 39.1983,  
93.8063

■ 31.4563, 36.0432,  
93.2960

■ 31.4280, 35.9941,  
93.2880

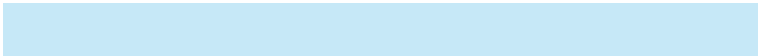
# Harmonies

## Analogous

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



66.9182, 76.4344, 91.0115



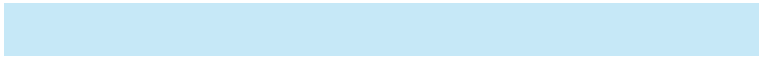
68.9338, 76.4344, 99.1158



71.9915, 76.4344, 102.9926

# Triad

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



68.9338, 76.4344, 99.1158



79.2579, 76.4344, 85.1258



70.0419, 76.4344, 67.4744

# Complementary

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



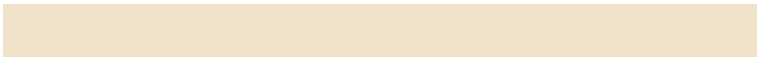
68.9338, 76.4344, 99.1158



72.3457, 71.4399, 63.4039

# Split Complementary

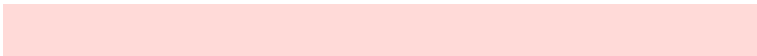
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3097, 76.4344, 66.1622



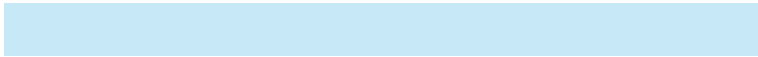
68.9338, 76.4344, 99.1158



78.6972, 76.4344, 75.8941

# Square

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



68.9338, 76.4344, 99.1158



78.0041, 76.4344, 94.5258



76.4945, 76.4344, 69.1288



67.5440, 76.4344, 72.8611



# Rectangle

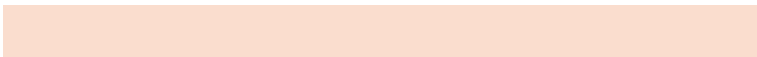
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9338, 76.4344, 99.1158



74.2360, 76.4344, 102.4598



76.4945, 76.4344, 69.1288



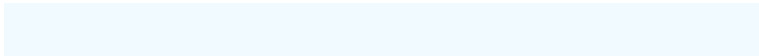
71.0840, 76.4344, 66.5604

# Sweetspot

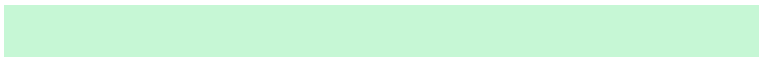
The Sweet Spot groups the original color and five complimentary colors.



68.9361, 76.4375, 99.1175



88.1677, 94.2613, 108.1551



68.5231, 83.3176, 75.2232



18.7173, 20.0460, 23.1327



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

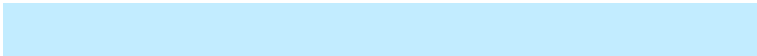


# Same Dimension

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



68.9361, 76.4375, 99.1175



70.3198, 78.8088, 106.1131



62.5858, 63.7370, 97.0008



16.5437, 17.8517, 21.1163



16.7524, 19.2986, 49.3801



1.5630, 1.8773, 4.3702



# Inverse Universe

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



73.1191, 65.9902, 85.2311



75.6667, 65.8264, 88.2796



78.8943, 84.5370, 65.5867



16.9850, 16.6769, 19.6677



24.2604, 12.0476, 21.8772

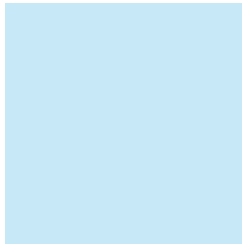


2.1780, 1.0772, 2.1635



# Previews

## White Background



This preview shows how the XYZ color 68.9338, 76.4344, 99.1158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

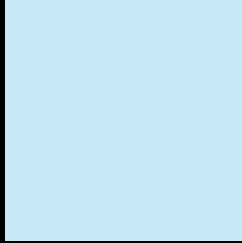
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.9338, 76.4344, 99.1158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

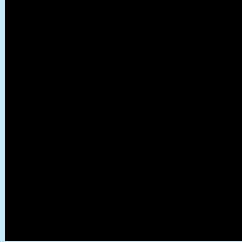
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.9338, 76.4344, 99.1158

## Background



This preview shows how black text looks on a background with the XYZ color 68.9338, 76.4344, 99.1158.



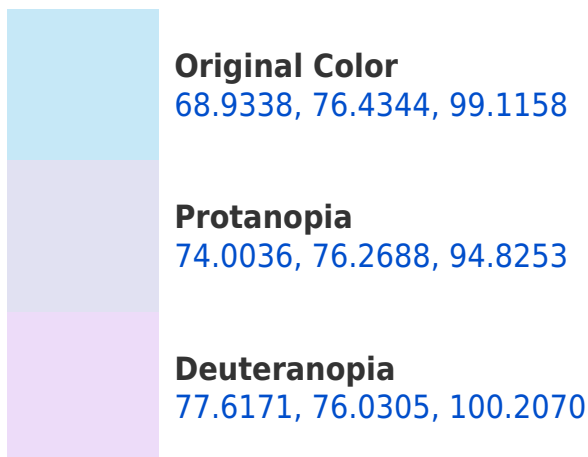
This preview shows how white text looks on a background with the XYZ color 68.9338, 76.4344,



# 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

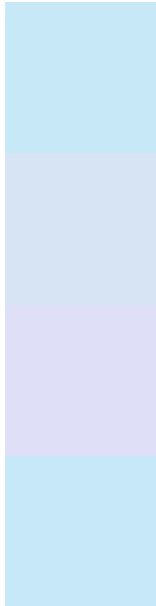




## Tritanopia

69.6651, 76.7575, 101.5864

# Trichromacy



## Original Color

68.9338, 76.4344, 99.1158

## Protanomaly

72.0969, 76.4655, 96.5474

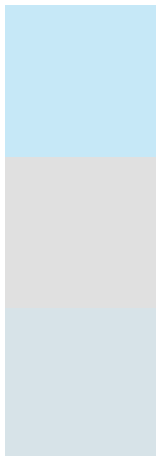
## Deuteranomaly

74.0304, 75.7766, 99.5315

## Tritanomaly

69.5087, 76.6949, 100.7626

# Monochromacy



## Original Color

68.9338, 76.4344, 99.1158

## 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 68.9338, 76.4344, 99.1158 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(198, 232, 247)` looks like.

```
.text, #text, p{  
    color:rgb(198, 232, 247)  
}
```

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(198, 232, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 232, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 68.9338, 76.4344, 99.1158 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(198, 232, 247) }
```



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

```
.border{ border-color:rgb(198, 232, 247) }
```

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

Here you see how a box with a 4 pixel rgb(198, 232, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 232, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 232, 247);  
box-shadow:4px 4px 4px 4px rgb(198, 232,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.9338, 76.4344, 99.1158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 232, 247) }
```

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

```
.background{ background-color: rgb(198,  
232, 247) }
```

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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