

# Converting Colors

XYZ(69.9169, 78.3452, 93.0985)

Have a look what the booklet for  
XYZ(69.9169, 78.3452, 93.0985)  
contains.

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# Color

**XYZ(69.9169, 78.3452,  
93.0985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>CBEBEF</code>
RGB	<code>203, 235, 239</code>
RGB Percent	<code>80%, 92%, 94%</code>
CMY	<code>0.2039, 0.0784, 0.0627</code>
CMYK	<code>0.15, 0.02, 0.00, 0.06</code>
HSL	<code>187°, 53%, 87%</code>
HSV	<code>187°, 15%, 94%</code>
XYZ	<code>69.9169, 78.3452, 93.0985</code>
YIQ	<code>225.8880, -20.3560, -5.5400</code>

# Conversions

## Conversions Part 2

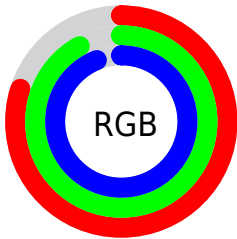
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 220, 239
Decimal	13364207
CIE Lab	90.94, -9.58, -5.45
CIE LCh	91, 11.024, 209.642
Yxy	78.3452, 0.2897, 0.3246
Android (android.graphics.Color)	4291554287 (0xFFCBEDEF)
YUV	225.8880, 6.4642, -20.0728
Hunter-Lab	88.5128, -13.8990, -0.4027

# Details

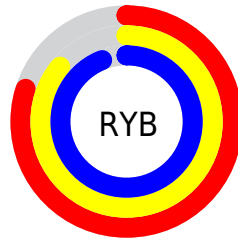
The XYZ color **69.9169, 78.3452, 93.0985** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.6894, 67.2879, 65.8688**, and the grayscale version is **72.1750, 75.9337, 82.6918**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8801, 41.9550, 50.9541** is the 20% darker color. If you saturate the color by 10%, you get **63.1499, 73.7394, 92.5674**, and if you desaturate by 10%, it is **77.7031, 83.4974, 93.6838**.

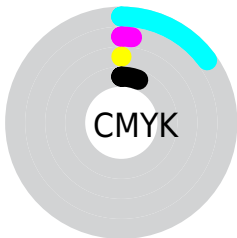
# Distribution



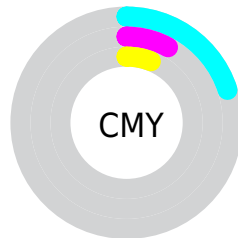
- Red (80%)
- Green (92%)
- Blue (94%)



- Red (80%)
- Yellow (86%)
- Blue (94%)



- Cyan (15%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (20%)
- Magenta (8%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9169, 78.3452, 93.0985 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 69.9169, 78.3452, 93.0985 by changing the saturation by 10% instead.



■ 69.9169, 78.3452,  
93.0985

■ 69.9169, 78.3452,  
93.0985

449.5291,  
489.3384, 558.8875

■ 51.7381, 58.3576,  
69.9653

118.1172,  
131.0366, 153.6079

■ 37.0198, 42.0962,  
51.0216

148.8694,  
164.5092, 191.8211

■ 25.3966, 29.1766,  
35.8489

184.5434,  
203.2457, 235.8980

■ 16.5031, 19.2145,  
24.0288

225.5047,  
247.6302, 286.2572

■ 9.9739, 11.8254,  
15.1426

272.1186,  
298.0474, 343.3172

■ 5.4438, 6.6249,  
8.7718

324.7504,

■ 2.5474, 3.2286,

354.8816, 407.4966

4.4978

383.7654,  
418.5171, 479.2138

■ 0.9192, 1.2522,  
1.9022

■ 0.0000, 0.1038,  
0.4942

■ 69.9169, 78.3452,  
93.0985

■ 69.9169, 78.3452,  
93.0985

■ 63.1499, 73.7394,  
92.5674

■ 77.7031, 83.4974,  
93.6838

■ 57.3495, 69.6465,  
92.0831

■ 86.5447, 89.2085,  
94.3202

■ 52.4685, 66.0443,  
91.6451

■ 88.8604, 91.5724,  
94.6544

■ 48.4531, 62.9049,  
91.2507

■ 89.6601, 93.1717,  
94.9210

45.2437, 60.1976,  
90.8973

90.4713, 94.7941,  
95.1914

42.7734, 57.8878,  
90.5817

91.2940, 96.4397,  
95.4656

40.9640, 55.9350,  
90.3001

92.1284, 98.1084,  
95.7438

39.7196, 54.2898,  
90.0482

92.5802, 99.0121,  
95.8944

39.2409, 53.5535,  
89.9313

# Harmonies

## Analogous

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



69.2487, 78.3452, 85.2090



69.9169, 78.3452, 93.0985



71.7969, 78.3452, 99.2012

# Triad

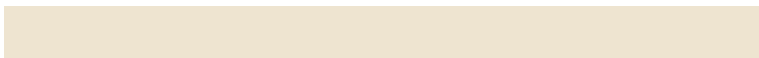
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9169, 78.3452, 93.0985



79.1709, 78.3452, 93.2742



74.4982, 78.3452, 70.8998

# Complementary

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



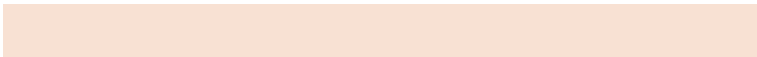
69.9169, 78.3452, 93.0985



68.6894, 67.2879, 65.8688

# Split Complementary

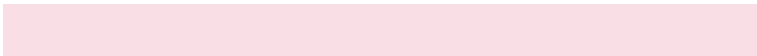
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1979, 78.3452, 72.7705



69.9169, 78.3452, 93.0985



79.9364, 78.3452, 85.4003

# Square

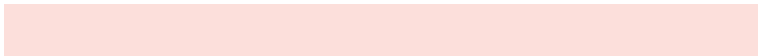
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9169, 78.3452, 93.0985



77.1386, 78.3452, 99.3070



79.2057, 78.3452, 77.9583



71.8534, 78.3452, 72.6845

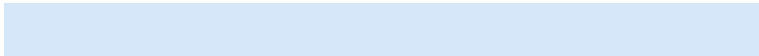


# Rectangle

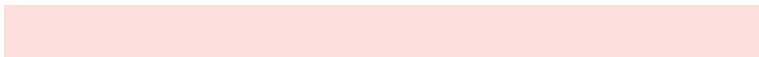
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



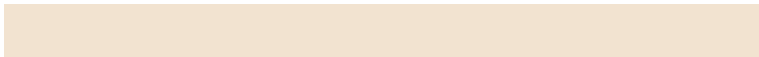
69.9169, 78.3452, 93.0985



73.5082, 78.3452, 101.2597



79.2057, 78.3452, 77.9583



75.4296, 78.3452, 71.1202

# Sweetspot

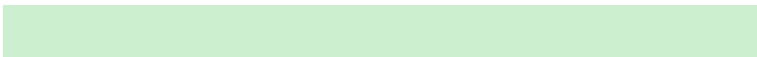
The Sweet Spot groups the original color and five complimentary colors.



69.9192, 78.3484, 93.1003



90.0639, 96.7617, 108.5377



66.7100, 78.9163, 70.4931



19.1327, 20.6164, 23.2209



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

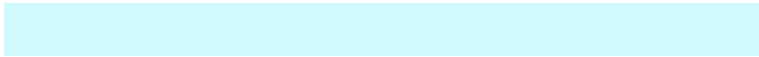


# Same Dimension

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



69.9192, 78.3484, 93.1003



78.5287, 89.1016, 107.6672



65.1260, 68.7621, 91.5025



16.0888, 17.6117, 20.2730



21.7456, 29.7155, 49.7174



1.8514, 2.5568, 4.1501



# Inverse Universe

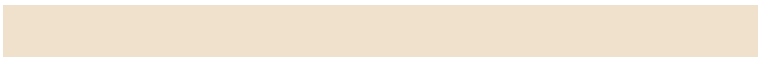
The Inverse Universe completely reimagines the original color for something new.



71.9497, 67.0623, 87.7532



81.3053, 73.8061, 100.3246



73.1946, 76.2983, 67.3705



16.3743, 15.9994, 19.5270



26.3018, 12.7931, 35.8355

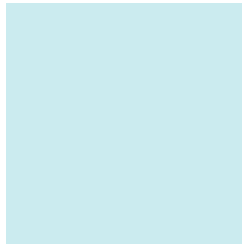


2.2094, 1.0728, 3.0938



# Previews

## White Background



This preview shows how the XYZ color 69.9169, 78.3452, 93.0985 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

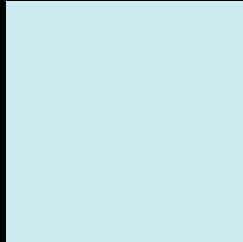
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.9169, 78.3452, 93.0985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

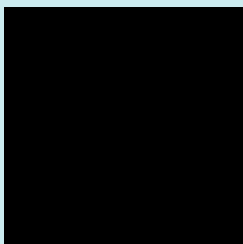
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

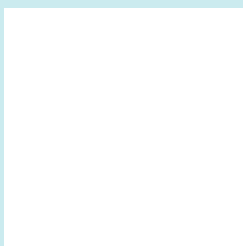
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.9169, 78.3452, 93.0985**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.9169, 78.3452, 93.0985.



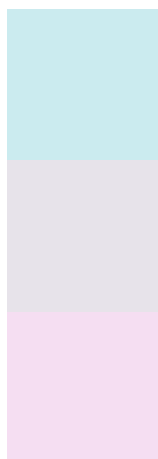
This preview shows how white text looks on a background with the XYZ color 69.9169, 78.3452,



# 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

69.9169, 78.3452, 93.0985

### Protanopia

75.2754, 77.8676, 88.9044

### Deuteranopia

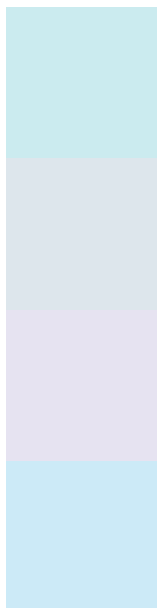
79.8045, 78.0658, 94.8665



## Tritanopia

71.8864, 78.2852, 103.4172

# Trichromacy



## Original Color

69.9169, 78.3452, 93.0985

## Protanomaly

73.2559, 78.0219, 90.5556

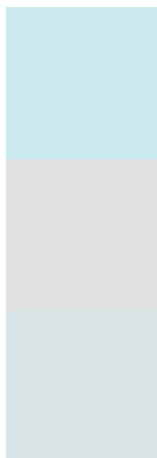
## Deuteranomaly

75.9794, 78.1120, 94.2917

## Tritanomaly

71.1132, 78.3984, 99.3800

# Monochromacy



## Original Color

69.9169, 78.3452, 93.0985

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.3566, 76.7136, 86.6476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9169, 78.3452, 93.0985 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(203, 235, 239)` looks like.

```
.text, #text, p{  
    color:rgb(203, 235, 239)  
}
```

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(203, 235, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 235, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9169, 78.3452, 93.0985 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(203, 235, 239) }
```



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

```
.border{ border-color:rgb(203, 235, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 235, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 235, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 235, 239);  
box-shadow:4px 4px 4px 4px rgb(203, 235,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.9169, 78.3452, 93.0985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 235, 239) }
```

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

```
.background{ background-color: rgb(203,  
235, 239) }
```

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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