

# Converting Colors

XYZ(69.6127, 79.3673, 93.3143)

Have a look what the booklet for  
XYZ(69.6127, 79.3673, 93.3143)  
contains.

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# Color

**XYZ(69.7077, 79.5232,  
93.3369)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7EEEE
RGB	199, 238, 239
RGB Percent	78%, 93%, 94%
CMY	0.2196, 0.0666, 0.0627
CMYK	0.17, 0.00, 0.00, 0.06
HSL	181°, 56%, 86%
HSV	181°, 17%, 94%
XYZ	69.7077, 79.5232, 93.3369
YIQ	226.4530, -23.5650, -7.9570

# Conversions

## Conversions Part 2

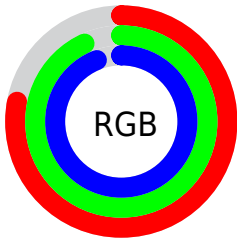
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 219, 239
Decimal	13102831
CIE <sub>Lab</sub>	91.47, -12.33, -4.69
CIE <sub>LCh</sub>	91, 13.194, 200.843
Yxy	79.5232, 0.2874, 0.3278
Android (android.graphics.Color)	4291292911 (0xFFC7EEEF)
YUV	226.4530, 6.1857, -24.0763
Hunter-Lab	89.1758, -16.5262, 0.3665

# Details

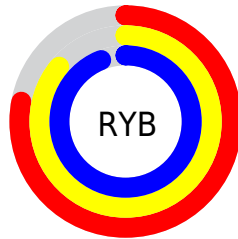
The XYZ color **69.7077, 79.5232, 93.3369** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5603, 63.7827, 62.8374**, and the grayscale version is **72.5873, 76.3675, 83.1642**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7768, 42.8041, 51.1234** is the 20% darker color. If you saturate the color by 10%, you get **63.6852, 76.1636, 93.0071**, and if you desaturate by 10%, it is **76.7313, 83.4039, 93.7170**.

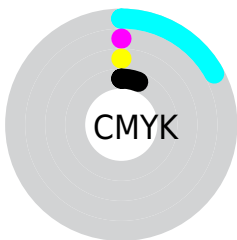
# Distribution



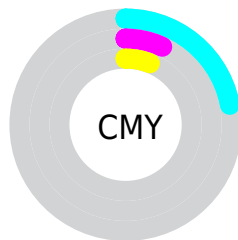
- Red (78%)
- Green (93%)
- Blue (94%)



- Red (78%)
- Yellow (86%)
- Blue (94%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (22%)
- Magenta (7%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7077, 79.5232, 93.3369 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 69.7077, 79.5232, 93.3369 by changing the saturation by 10% instead.



■ 69.7077, 79.5232,  
93.3369

■ 69.7077, 79.5232,  
93.3369

448.8055,  
493.3245, 559.6747

■ 51.5670, 59.3261,  
70.1623

117.8204,  
132.6952, 153.9407

■ 36.8829, 42.8757,  
51.1813

148.5230,  
166.4388, 192.2070

■ 25.2901, 29.7876,  
35.9752

184.1438,  
205.4667, 236.3410

■ 16.4232, 19.6774,  
24.1255

225.0479,  
250.1633, 286.7612

■ 9.9169, 12.1608,  
15.2137

271.6008,  
300.9130, 343.8861

■ 5.4057, 6.8533,  
8.8212

324.1678,

■ 2.5244, 3.3705,

358.1002, 408.1343

4.5295

383.1142,  
422.1092, 479.9243

■ 0.9076, 1.3281,  
1.9201

■ 0.0000, 0.1628,  
0.5055

■ 69.7077, 79.5232,  
93.3369

■ 69.7077, 79.5232,  
93.3369

■ 63.6852, 76.1636,  
93.0071

■ 76.7313, 83.4039,  
93.7170

■ 58.6106, 73.2914,  
92.7202

■ 84.7924, 87.8182,  
94.1442

■ 54.4360, 70.8840,  
92.4756

■ 87.9190, 89.6896,  
94.3406

■ 51.1069, 68.9134,  
92.2706

■ 88.0944, 90.0405,  
94.3991

■ 48.5627, 67.3482,  
92.1026

■ 88.2704, 90.3924,  
94.4578

■ 46.7348, 66.1532,  
91.9683

■ 88.4470, 90.7456,  
94.5166

■ 45.5429, 65.2868,  
91.8639

■ 88.6241, 91.0998,  
94.5757

■ 44.8850, 64.6966,  
91.7847

■ 88.8018, 91.4553,  
94.6349

■ 44.7322, 64.5361,  
91.7617

■ 88.9801, 91.8119,  
94.6944

# Harmonies

## Analogous

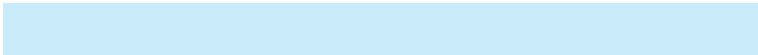
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.3857, 79.5232, 83.6769



69.7077, 79.5232, 93.3369



71.5791, 79.5232, 101.7368

# Triad

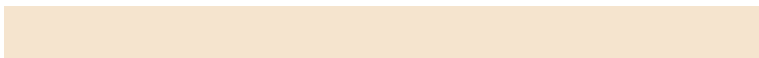
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7077, 79.5232, 93.3369



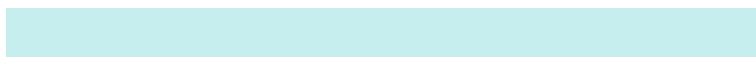
80.7040, 79.5232, 98.8001



76.6169, 79.5232, 69.5796

# Complementary

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



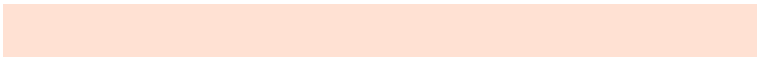
69.7077, 79.5232, 93.3369



66.5603, 63.7827, 62.8374

# 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.



79.7365, 79.5232, 73.0216



69.7077, 79.5232, 93.3369



82.1417, 79.5232, 89.5643

# Square

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



69.7077, 79.5232, 93.3369



77.9059, 79.5232, 105.0497



81.7825, 79.5232, 80.1711



73.3096, 79.5232, 70.4256

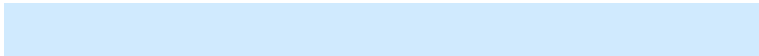


# Rectangle

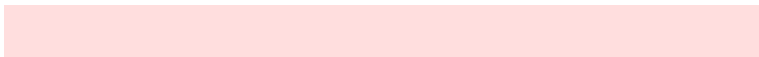
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7077, 79.5232, 93.3369



73.4847, 79.5232, 105.2617



81.7825, 79.5232, 80.1711



77.7237, 79.5232, 70.2634

# Sweetspot

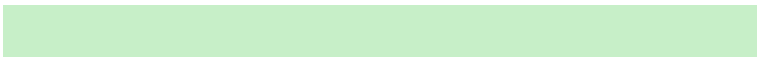
The Sweet Spot groups the original color and five complimentary colors.



69.7100, 79.5265, 93.3387



90.4126, 97.4590, 108.6540



64.8074, 78.0311, 66.0867



19.2178, 20.7865, 23.2493



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.



69.7100, 79.5265, 93.3387



78.3078, 90.7692, 108.0007



64.2925, 68.6914, 91.5328



16.2116, 17.8574, 20.3140



24.7350, 35.6942, 50.7139



2.0683, 2.9907, 4.2225



# Inverse Universe

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



71.4545, 65.3722, 89.7448



80.6789, 71.5841, 103.1036



71.4125, 73.4873, 64.4548



16.4363, 16.0242, 19.8536



27.8107, 13.3967, 43.7812

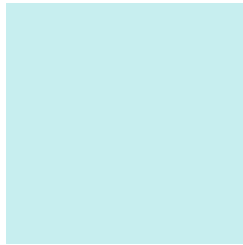


2.3189, 1.1166, 3.6704



# Previews

## White Background



This preview shows how the XYZ color 69.7077, 79.5232, 93.3369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

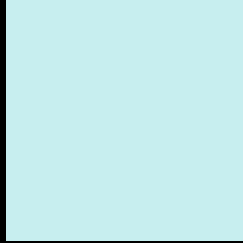
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.7077, 79.5232, 93.3369 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

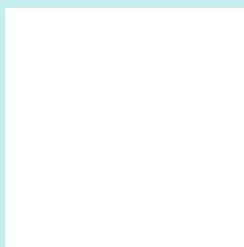
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.7077, 79.5232, 93.3369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.7077, 79.5232, 93.3369.



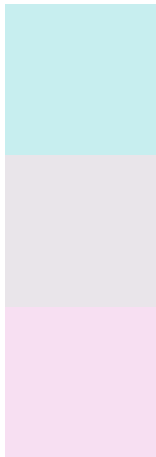
This preview shows how white text looks on a background with the XYZ color 69.7077, 79.5232,



# 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

69.7077, 79.5232, 93.3369

### Protanopia

76.4749, 79.3028, 89.1182

### Deuteranopia

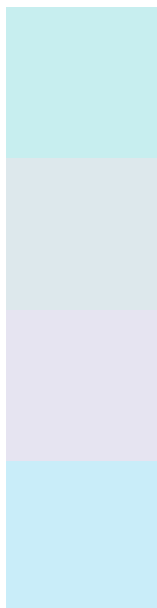
80.7725, 78.9603, 94.9881



## Tritanopia

72.2420, 79.7032, 105.3426

# Trichromacy



## Original Color

69.7077, 79.5232, 93.3369

## Protanomaly

73.8157, 79.1415, 90.7422

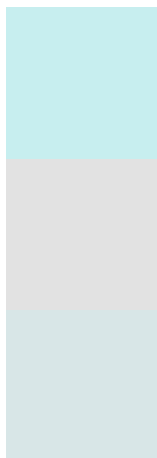
## Deuteranomaly

76.2537, 78.6607, 94.3831

## Tritanomaly

71.4705, 79.8254, 101.2635

# Monochromacy



## Original Color

69.7077, 79.5232, 93.3369

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.0395, 76.9621, 86.7123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.7077, 79.5232, 93.3369 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, 238, 239)` looks like.

```
.text, #text, p{  
    color:rgb(199, 238, 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(199, 238, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 238, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 69.7077, 79.5232, 93.3369 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, 238, 239) }
```



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

```
.border{ border-color:rgb(199, 238, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 238, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 238, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 238, 239);  
box-shadow:4px 4px 4px 4px rgb(199, 238,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.7077, 79.5232, 93.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 238, 239) }
```

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

```
.background{ background-color: rgb(199,  
238, 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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