

Converting Colors

XYZ(69.9951, 78.5100, 93.4694)

Have a look what the booklet for
XYZ(69.9951, 78.5100, 93.4694)
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

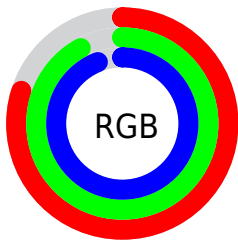
Format	Color
R _Y B	203, 220, 239
Decimal	13364207
CIE Lab	90.94, -9.58, -5.45
CIE LCh	91, 11.024, 209.642
Yxy	78.3452, 0.2897, 0.3246
Android (android.graphics.Color)	4291554287 (0xFFCBEBEF)
YUV	225.8880, 6.4642, -20.0728
Hunter-Lab	88.5128, -13.8990, -0.4027

Details

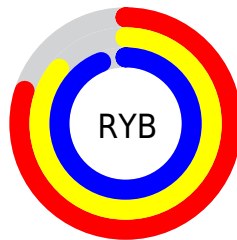
The XYZ color **69.9169, 78.3452, 93.0985** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.6894, 67.2879, 65.8688**, and the grayscale version is **72.1750, 75.9337, 82.6918**.

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**.

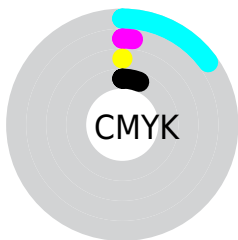
Distribution



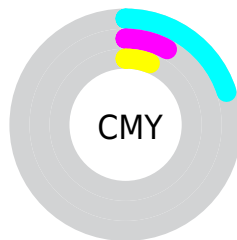
- Red (80%)
- Green (92%)
- Blue (94%)



- 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

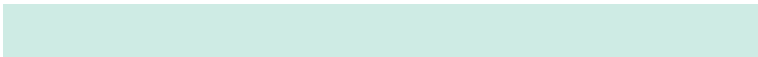
■ 92.5802, 99.0121,
95.8944

■ 39.2409, 53.5535,
89.9313

Harmonies

Analogous

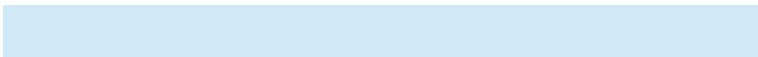
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2487, 78.3452, 85.2090



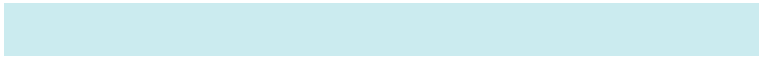
69.9169, 78.3452, 93.0985



71.7969, 78.3452, 99.2012

Triad

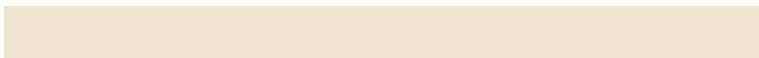
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



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.



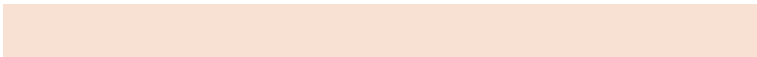
69.9169, 78.3452, 93.0985



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

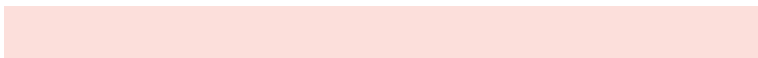
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



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

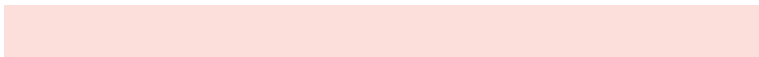
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



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

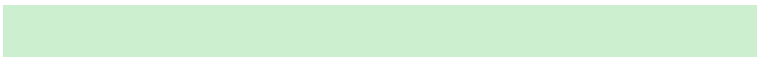
The Sweet Spot groups the original color and five complimentary colors.



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



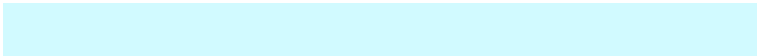
20.3446, 21.4041, 23.3091

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



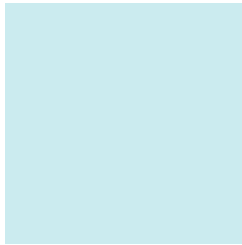
26.3018, 12.7931, 35.8355



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

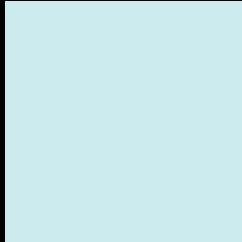
Large Text (above 18pt) WCAG AA × Fail

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

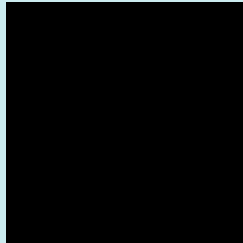
Large Text (above 18pt) WCAG AAA ✓ Pass

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.

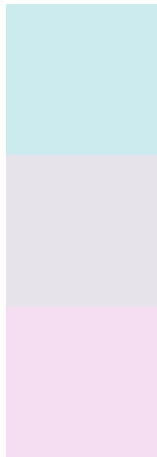


This preview shows how white text looks on a background with the XYZ color 69.9169, 78.3452,

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

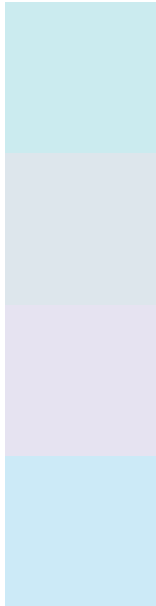
79.8045, 78.0658, 94.8665



Tritanopia

71.8864, 78.2852, 103.4172

Trichromacy



Original Color

69.9169, 78.3452, 93.0985

Protanomaly

73.2559, 78.0219, 90.5556

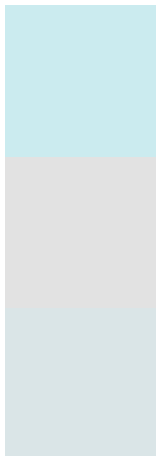
Deuteranomaly

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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