

Converting Colors

XYZ(69.2134, 76.7010, 93.5949)

Have a look what the booklet for
XYZ(69.2134, 76.7010, 93.5949)
contains.

XYZ(69.2134, 76.7010, 93.5949)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.2134, 76.7010,
93.5949)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE8F0
RGB	203, 232, 240
RGB Percent	80%, 91%, 94%
CMY	0.2039, 0.0902, 0.0588
CMYK	0.15, 0.03, 0.00, 0.06
HSL	193°, 55%, 87%
HSV	193°, 15%, 94%
XYZ	69.2134, 76.7010, 93.5949
YIQ	224.2410, -19.8520, -3.6600

Conversions

Conversions Part 2

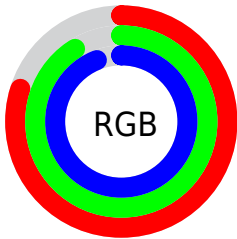
Format	Color
R _{YB}	203, 219, 240
Decimal	13363440
CIE Lab	90.18, -7.85, -7.09
CIE LCh	90, 10.579, 222.069
Yxy	76.7010, 0.2890, 0.3202
Android (android.graphics.Color)	4291553520 (0xFFCBE8F0)
YUV	224.2410, 7.7692, -18.6284
Hunter-Lab	87.5791, -12.1956, -2.0572

Details

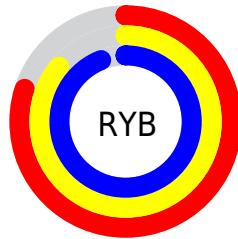
The XYZ color **69.2134, 76.7010, 93.5949** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0095, 69.4255, 66.2120**, and the grayscale version is **70.9820, 74.6786, 81.3250**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3898, 40.8073, 51.3060** is the 20% darker color. If you saturate the color by 10%, you get **61.7386, 70.7138, 92.8344**, and if you desaturate by 10%, it is **77.7476, 83.3023, 94.4205**.

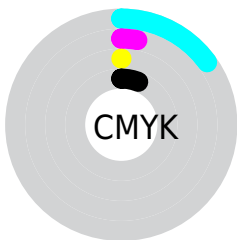
Distribution



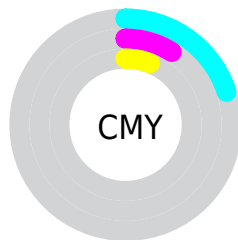
- Red (80%)
- Green (91%)
- Blue (94%)



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



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (20%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2134, 76.7010, 93.5949 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 69.2134, 76.7010, 93.5949 by changing the saturation by 10% instead.

■ 69.2134, 76.7010,
93.5949

■ 69.2134, 76.7010,
93.5949

447.0929,
483.7440, 560.5259

■ 51.1628, 57.0075,
70.3756

117.1187,
128.7173, 154.3008

■ 36.5598, 41.0113,
51.3541

147.7042,
161.8089, 192.6245

■ 25.0389, 28.3279,
36.1118

183.1986,
200.1354, 236.8202

■ 16.2349, 18.5730,
24.2302

223.9673,
244.0811, 287.3063

■ 9.7825, 11.3621,
15.2907

270.3758,
294.0304, 344.5013

■ 5.3161, 6.3110,
8.8748

322.7893,

■ 2.4706, 3.0351,

350.3677, 408.8239

4.5639

381.5732,
413.4774, 480.6926

■ 0.8804, 1.1501,
1.9395

■ 0.0000, 0.0203,
0.5177

■ 69.2134, 76.7010,
93.5949

■ 69.2134, 76.7010,
93.5949

■ 61.7386, 70.7138,
92.8344

■ 77.7476, 83.3023,
94.4205

■ 55.2696, 65.3066,
92.1317

■ 87.3782, 90.5313,
95.3083

■ 49.7584, 60.4560,
91.4859

■ 90.4027, 94.4199,
95.8994

■ 45.1500, 56.1332,
90.8944

■ 92.0160, 97.6465,
96.4372

■ 41.3837, 52.3063,
90.3542

■ 92.7284, 99.0714,
96.6747

■ 38.3912, 48.9394,
89.8621

■ 36.0927, 45.9909,
89.4141

■ 34.3900, 43.4096,
89.0056

■ 33.7393, 42.3132,
88.8283

Harmonies

Analogous

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



68.0695, 76.7010, 86.5780



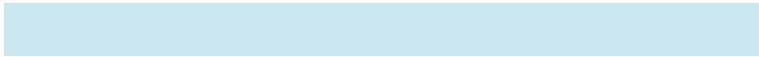
69.2134, 76.7010, 93.5949



71.3567, 76.7010, 98.0597

Triad

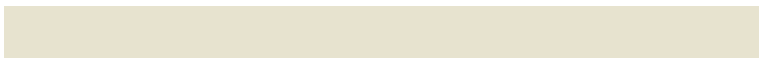
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.2134, 76.7010, 93.5949



77.8181, 76.7010, 88.0514



71.8502, 76.7010, 70.1418

Complementary

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



69.2134, 76.7010, 93.5949



70.0095, 69.4255, 66.2120

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.



74.4695, 76.7010, 70.4836



69.2134, 76.7010, 93.5949



77.9579, 76.7010, 80.5238

Square

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



69.2134, 76.7010, 93.5949



76.3417, 76.7010, 94.7292



76.7194, 76.7010, 74.1849



69.5672, 76.7010, 73.2215

Rectangle

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



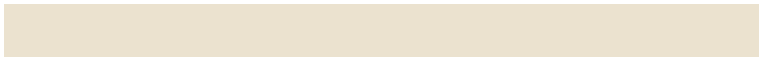
69.2134, 76.7010, 93.5949



73.0846, 76.7010, 98.8339



76.7194, 76.7010, 74.1849



72.7197, 76.7010, 69.8658

Sweetspot

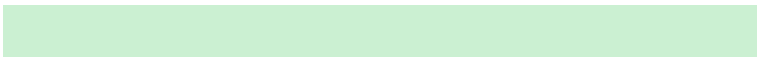
The Sweet Spot groups the original color and five complimentary colors.



69.2156, 76.7042, 93.5966



89.6410, 95.9159, 108.3968



67.4728, 79.6912, 73.0616



19.0296, 20.4102, 23.1865



0.0000, 0.0000, 0.0000



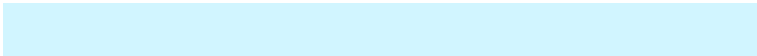
20.3446, 21.4041, 23.3091

Same Dimension

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



69.2156, 76.7042, 93.5966



77.0493, 86.1429, 107.1740



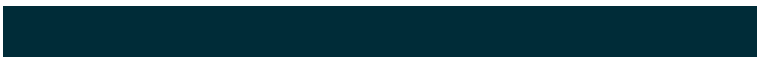
64.4301, 67.1331, 92.0014



15.9406, 17.3153, 20.2236



18.5707, 23.3657, 48.6591



1.6160, 2.0860, 4.0717

Inverse Universe

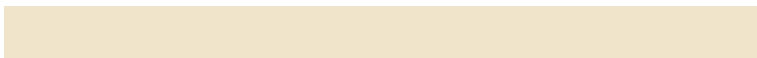
The Inverse Universe completely reimagines the original color for something new.



71.8584, 67.0650, 85.5051



80.5586, 73.5074, 96.3924



74.7076, 78.8217, 67.7780



16.2995, 15.9695, 19.1331



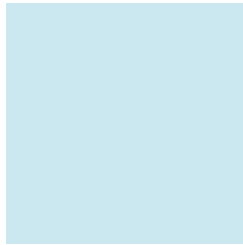
24.6993, 12.1521, 27.3966



2.0906, 1.0253, 2.4681

Previews

White Background



This preview shows how the XYZ color 69.2134, 76.7010, 93.5949 looks on a white background.

Color Contrast Check

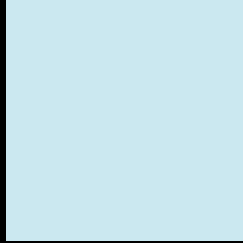
Large Text (above 18pt) WCAG AA × Fail

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 69.2134, 76.7010, 93.5949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

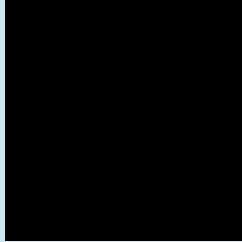
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2134, 76.7010, 93.5949

Background



This preview shows how black text looks on a background with the XYZ color 69.2134, 76.7010, 93.5949.

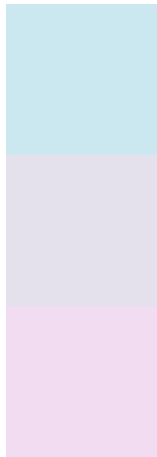


This preview shows how white text looks on a background with the XYZ color 69.2134, 76.7010,

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

69.2134, 76.7010, 93.5949

Protanopia

74.0604, 76.4005, 90.2003

Deuteranopia

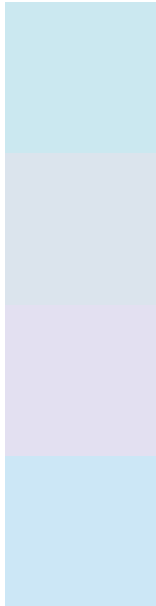
77.8958, 76.2980, 94.6258



Tritanopia

70.8516, 76.9705, 100.7450

Trichromacy



Original Color

69.2134, 76.7010, 93.5949

Protanomaly

72.2429, 76.6613, 91.1103

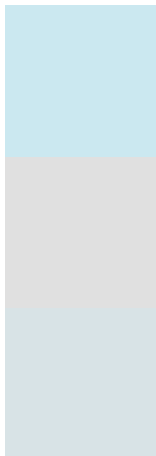
Deuteranomaly

74.2114, 75.9931, 93.9759

Tritanomaly

70.1123, 76.6430, 98.2870

Monochromacy



Original Color

69.2134, 76.7010, 93.5949

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.0709, 75.2503, 85.6945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2134, 76.7010, 93.5949 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, 232, 240)` looks like.

```
.text, #text, p{  
    color:rgb(203, 232, 240)  
}
```

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, 232, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 232, 240) }
```

Border

The CSS property to change the border of an element to XYZ 69.2134, 76.7010, 93.5949 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, 232, 240) }
```


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

```
.border{ border-color:rgb(203, 232, 240) }
```

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

Here you see how a box with a 4 pixel rgb(203, 232, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 232, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 232, 240);  
box-shadow:4px 4px 4px 4px rgb(203, 232,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2134, 76.7010, 93.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 232, 240) }
```

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

```
.background{ background-color: rgb(203,  
232, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor