

# Converting Colors

XYZ(70.9184, 80.8781, 93.9721)

Have a look what the booklet for  
XYZ(70.9184, 80.8781, 93.9721)  
contains.

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# Color

**XYZ(70.9757, 81.0290,  
94.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9F0F0
RGB	201, 240, 240
RGB Percent	79%, 94%, 94%
CMY	0.2118, 0.0588, 0.0588
CMYK	0.16, 0.00, 0.00, 0.06
HSL	180°, 57%, 86%
HSV	180°, 16%, 94%
XYZ	70.9757, 81.0290, 94.3374
YIQ	228.3390, -23.2440, -8.2680

# Conversions

## Conversions Part 2

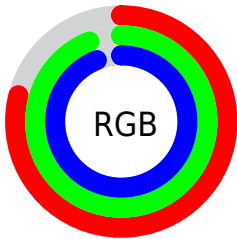
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 221, 240
Decimal	13234416
CIE <sub>Lab</sub>	92.14, -12.52, -4.21
CIE <sub>LCh</sub>	92, 13.207, 198.583
Yxy	81.0290, 0.2881, 0.3289
Android (android.graphics.Color)	4291424496 (0xFFC9F0F0)
YUV	228.3390, 5.7489, -23.9763
Hunter-Lab	90.0161, -16.7849, 0.8750

# Details

The XYZ color **70.9757, 81.0290, 94.3374** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3674, 64.5179, 64.1645**, and the grayscale version is **73.9643, 77.8162, 84.7419**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6463, 43.8527, 51.8276** is the 20% darker color. If you saturate the color by 10%, you get **65.0216, 77.9617, 94.0588**, and if you desaturate by 10%, it is **77.9426, 84.6227, 94.6668**.

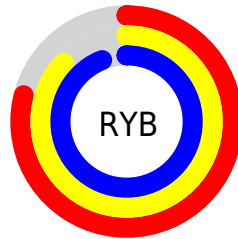
# Distribution



Red (79%)

Green (94%)

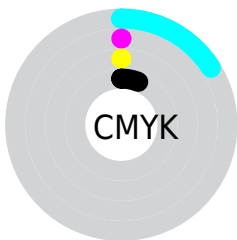
Blue (94%)



Red (79%)

Yellow (87%)

Blue (94%)

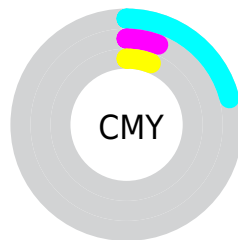


Cyan (16%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (21%)

Magenta (6%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9757, 81.0290, 94.3374 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 70.9757, 81.0290, 94.3374 by changing the saturation by 10% instead.



70.9757, 81.0290,  
94.3374

70.9757, 81.0290,  
94.3374

453.1816,  
498.3939, 562.9716

52.6048, 60.5655,  
70.9898

119.6178,  
134.8115, 155.3366

37.7136, 43.8746,  
51.8521

150.6198,  
168.8992, 193.8252

25.9367, 30.5719,  
36.5057

186.5628,  
208.2972, 238.1979

16.9087, 20.2731,  
24.5323

227.8123,  
253.3898, 288.8732

10.2643, 12.5937,  
15.5131

274.7336,  
304.5613, 346.2697

5.6382, 7.1494,  
9.0297

327.6920,

2.6649, 3.5557,

362.1963, 410.8059

4.6635

387.0529,  
426.6790, 482.9004

■ 0.9791, 1.4283,  
1.9959

■ 0.0000, 0.2374,  
0.5528

■ 70.9757, 81.0290,  
94.3374

■ 70.9757, 81.0290,  
94.3374

■ 65.0216, 77.9617,  
94.0588

■ 77.9426, 84.6227,  
94.6668

■ 60.0265, 75.3867,  
93.8235

■ 85.9588, 88.7551,  
95.0435

■ 55.9425, 73.2813,  
93.6307

■ 88.1309, 89.8749,  
95.1468

■ 52.7145, 71.6173,  
93.4780

■ 88.1312, 89.8750,  
95.1484

■ 50.2818, 70.3632,  
93.3626

■ 88.1315, 89.8751,  
95.1501

■ 48.5754, 69.4836,  
93.2811

■ 88.1318, 89.8752,  
95.1517

■ 47.5150, 68.9370,  
93.2299

■ 88.1321, 89.8754,  
95.1533

■ 47.0002, 68.6716,  
93.2042

■ 88.1325, 89.8755,  
95.1549

■ 46.8874, 68.6135,  
93.1983

■ 88.1328, 89.8756,  
95.1566

# Harmonies

## Analogous

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



70.7753, 81.0290, 84.5674



70.9757, 81.0290, 94.3374



72.7656, 81.0290, 103.0466

# Triad

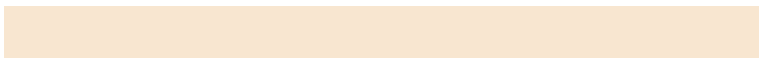
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9757, 81.0290, 94.3374



82.0299, 81.0290, 101.2198



78.3188, 81.0290, 71.0959

# Complementary

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



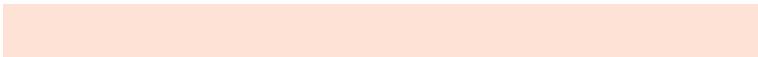
70.9757, 81.0290, 94.3374



67.3674, 64.5179, 64.1645

# 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.



81.4280, 81.0290, 74.9007



70.9757, 81.0290, 94.3374



83.6124, 81.0290, 91.9903

# Square

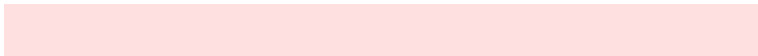
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9757, 81.0290, 94.3374



79.1207, 81.0290, 107.2176



83.3889, 81.0290, 82.3859



74.9482, 81.0290, 71.6224

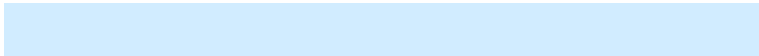


# Rectangle

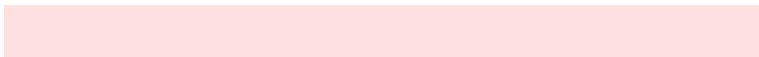
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



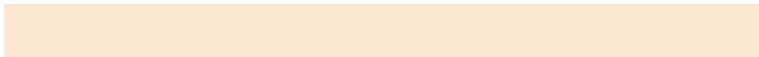
70.9757, 81.0290, 94.3374



74.6498, 81.0290, 106.8568



83.3889, 81.0290, 82.3859



79.4309, 81.0290, 71.8987

# Sweetspot

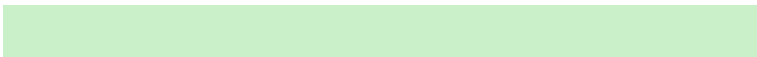
The Sweet Spot groups the original color and five complimentary colors.



70.9780, 81.0323, 94.3392



90.5136, 97.6614, 108.6868



65.9677, 79.0484, 67.0409



19.2424, 20.8359, 23.2573



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.



70.9780, 81.0323, 94.3392



78.7111, 91.5771, 108.1316



65.7141, 70.5036, 92.5870



16.2474, 17.9290, 20.3256



25.6657, 37.5583, 51.0159



2.1352, 3.1245, 4.2441



# Inverse Universe

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



67.3674, 64.5179, 64.1645



73.7325, 68.8056, 66.5242



72.0346, 73.8529, 65.7183



15.7729, 15.7589, 16.3605



19.6716, 10.1411, 0.9211

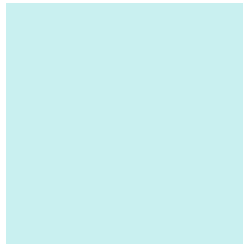


1.6365, 0.8436, 0.0767



# Previews

## White Background



This preview shows how the XYZ color 70.9757, 81.0290, 94.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

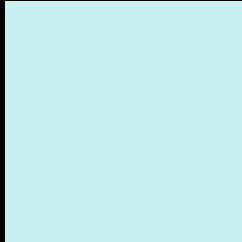
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.9757, 81.0290, 94.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

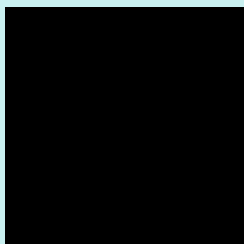
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

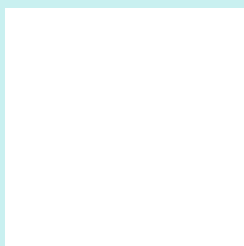
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.9757, 81.0290, 94.3374**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.9757, 81.0290, 94.3374.



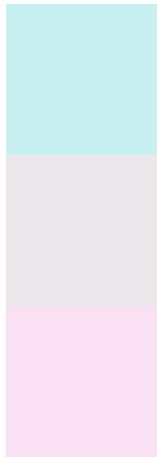
This preview shows how white text looks on a background with the XYZ color 70.9757, 81.0290,

94.3374.

# 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

70.9757, 81.0290, 94.3374

### Protanopia

77.8323, 80.8122, 90.0934

### Deuteranopia

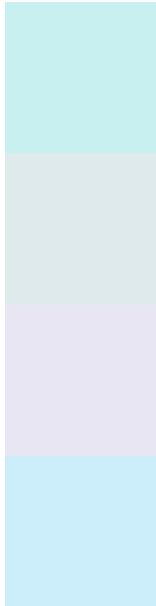
82.1698, 80.4612, 95.9938



## **Tritanopia**

73.7878, 80.9102, 106.3359

# Trichromacy



## Original Color

70.9757, 81.0290, 94.3374

## Protanomaly

75.1403, 80.6480, 91.7271

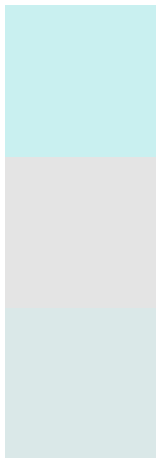
## Deuteranomaly

77.6025, 80.1602, 95.3868

## Tritanomaly

72.7317, 80.8886, 102.2222

# Monochromacy



## Original Color

70.9757, 81.0290, 94.3374

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.3355, 78.4448, 87.6728

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.9757, 81.0290, 94.3374 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(201, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(201, 240, 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(201, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 240, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 70.9757, 81.0290, 94.3374 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(201, 240, 240) }
```



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

```
.border{ border-color:rgb(201, 240, 240) }
```

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

Here you see how a box with a 4 pixel rgb(201, 240, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(201, 240,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.9757, 81.0290, 94.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 240, 240) }
```

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

```
.background{ background-color: rgb(201,  
240, 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](#).

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