

# Converting Colors

XYZ(100.4649, 100.0000,  
223.6684)

Have a look what the booklet for  
XYZ(100.4649, 100.0000, 223.6684)  
contains.

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# Color

**XYZ(78.3937, 90.9410,  
108.0293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFEFF
RGB	204, 254, 255
RGB Percent	80%, 100%, 100%
CMY	0.2000, 0.0039, 0.0000
CMYK	0.20, 0.00, 0.00, 0.00
HSL	181°, 100%, 90%
HSV	181°, 20%, 100%
XYZ	78.3937, 90.9410, 108.0293
YIQ	239.1640, -30.1210, -10.2890

# Conversions

## Conversions Part 2

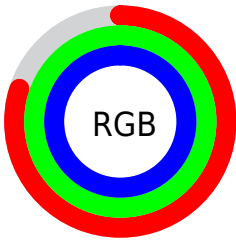
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 229, 255
Decimal	13434623
CIE <sub>Lab</sub>	96.39, -15.52, -5.71
CIE <sub>LCh</sub>	96, 16.533, 200.194
Yxy	90.9410, 0.2826, 0.3279
Android (android.graphics.Color)	4291624703 (0xFFCCFEFF)
YUV	239.1640, 7.8071, -30.8388
Hunter-Lab	95.3630, -20.1483, -0.4109

# Details

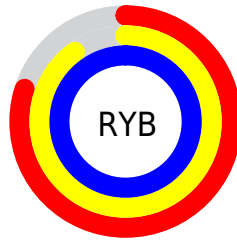
The XYZ color **78.3937, 90.9410, 108.0293** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9703, 69.2814, 66.6026**, and the grayscale version is **82.1317, 86.4090, 94.0994**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5537, 50.3993, 60.9113** is the 20% darker color. If you saturate the color by 10%, you get **71.8115, 87.3160, 107.6766**, and if you desaturate by 10%, it is **86.1253, 95.1639, 108.4369**.

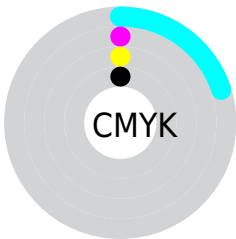
# Distribution



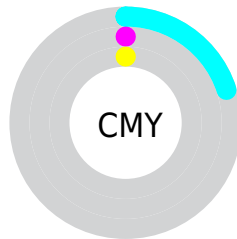
- Red (80%)
- Green (100%)
- Blue (100%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3937, 90.9410, 108.0293 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 78.3937, 90.9410, 108.0293 by changing the saturation by 10% instead.



78.3937, 90.9410,  
108.0293

78.3937, 90.9410,  
108.0293

478.3222,  
531.0872, 607.1051

58.7014, 68.7614,  
82.3687

130.0674,  
148.6448, 174.2961

42.6182, 50.5174,  
61.1319

162.7795,  
184.9378, 215.7393

29.7789, 35.8247,  
43.9004

200.5621,  
226.7039, 263.2806

19.8181, 24.2988,  
30.2556

243.7808,  
274.3278, 317.3383

12.3703, 15.5554,  
19.7790

292.8008,  
328.1936, 378.3311

7.0704, 9.2101,  
12.0520

347.9874,

3.5529, 4.8785,

388.6858, 446.6774

6.6561

409.7061,  
456.1889, 522.7959

■ 1.4524, 2.1761,  
3.1728

■ 0.2931, 0.7069,  
1.1835

■ 78.3937, 90.9410,  
108.0293

■ 78.3937, 90.9410,  
108.0293

■ 71.8115, 87.3160,  
107.6766

■ 86.1253, 95.1639,  
108.4369

■ 66.3159, 84.2495,  
107.3743

95.0500, 100.0000,  
108.9000

■ 61.8491, 81.7139,  
107.1203

■ 58.3449, 79.6752,  
106.9115

■ 55.7297, 78.0953,  
106.7444

■ 53.9188, 76.9307,  
106.6150

■ 52.8116, 76.1295,  
106.5187

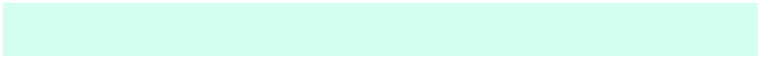
■ 52.2434, 75.6068,  
106.4478

■ 52.2434, 75.6067,  
106.4478

# Harmonies

## Analogous

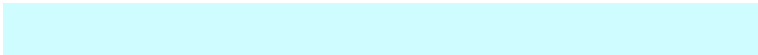
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0057, 90.9410, 94.7650



78.3937, 90.9410, 108.0293



80.8938, 90.9410, 119.7952

# Triad

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



78.3937, 90.9410, 108.0293



93.4155, 90.9410, 116.1482



87.9527, 90.9410, 76.0842

# Complementary

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



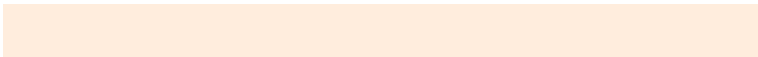
78.3937, 90.9410, 108.0293



73.9703, 69.2814, 66.6026

# 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.



92.2272, 90.9410, 80.7960



78.3937, 90.9410, 108.0293



95.4543, 90.9410, 103.3990

# Square

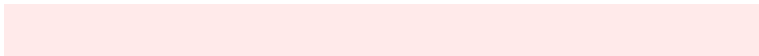
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3937, 90.9410, 108.0293



89.5280, 90.9410, 124.7635



95.0118, 90.9410, 90.5247

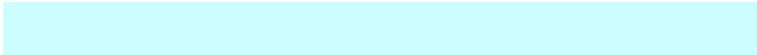


83.4174, 90.9410, 77.0850

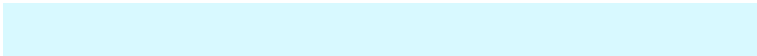


# Rectangle

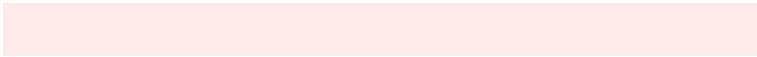
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



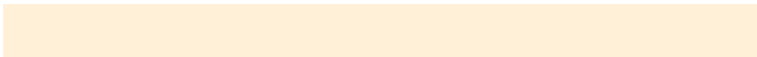
78.3937, 90.9410, 108.0293



83.4725, 90.9410, 124.8321



95.0118, 90.9410, 90.5247



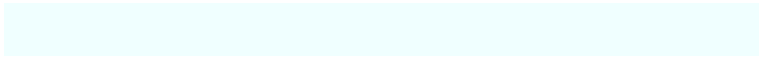
89.4702, 90.9410, 77.0353

# Sweetspot

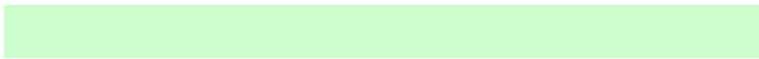
The Sweet Spot groups the original color and five complimentary colors.



78.3961, 90.9446, 108.0299



89.5483, 97.0225, 108.6153



71.6643, 88.7585, 71.0196



19.0445, 20.7004, 23.2418



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

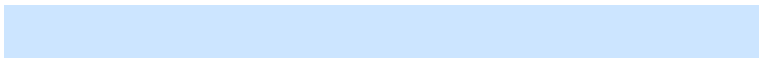
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3961, 90.9446, 108.0299



75.6271, 89.4234, 107.8822



70.8756, 75.9038, 105.5231



18.5227, 20.4170, 23.2146



27.3121, 39.5337, 55.6259



2.6686, 3.8679, 5.4192



# Inverse Universe

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



80.7238, 71.6032, 103.3364



78.3456, 66.8979, 102.3864



80.5342, 82.4092, 68.7906



18.7765, 18.2939, 22.7061



30.5741, 14.7189, 48.5350

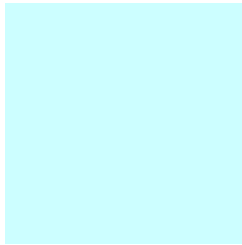


2.9816, 1.4350, 4.7504



# Previews

## White Background



This preview shows how the XYZ color 78.3937, 90.9410, 108.0293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

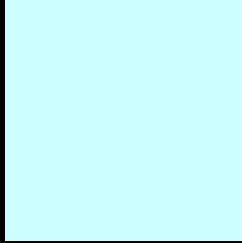
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.3937, 90.9410, 108.0293 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

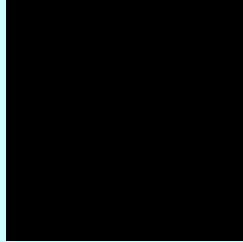
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.3937, 90.9410, 108.0293

## Background



This preview shows how black text looks on a background with the XYZ color 78.3937, 90.9410, 108.0293.



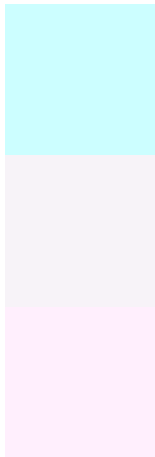
This preview shows how white text looks on a background with the XYZ color 78.3937, 90.9410,



# 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

78.3937, 90.9410, 108.0293

### Protanopia

87.3516, 90.6527, 101.7007

### Deuteranopia

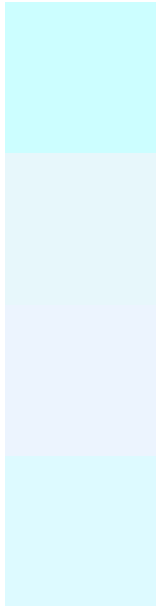
89.8361, 90.0849, 105.5817



## Tritanopia

84.2658, 90.7305, 107.6792

# Trichromacy



## Original Color

78.3937, 90.9410, 108.0293

## Protanomaly

83.6283, 90.4755, 104.3226

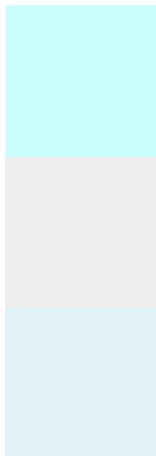
## Deuteranomaly

84.8321, 89.6900, 106.6067

## Tritanomaly

82.0544, 90.9634, 107.8407

# Monochromacy



## Original Color

78.3937, 90.9410, 108.0293

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

80.1961, 87.4627, 99.0414

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.3937, 90.9410, 108.0293 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(204, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 254, 255)  
}
```

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(204, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.3937, 90.9410, 108.0293 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(204, 254, 255) }
```



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

```
.border{ border-color:rgb(204, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(204, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.3937, 90.9410, 108.0293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 254, 255) }
```

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

```
.background{ background-color: rgb(204,  
254, 255) }
```

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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