

# Converting Colors

XYZ(76.8714, 88.4831, 98.9414)

Have a look what the booklet for  
XYZ(76.8714, 88.4831, 98.9414)  
contains.

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# Color

**XYZ(76.8092, 88.4582,  
98.6138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FAF4
RGB	209, 250, 244
RGB Percent	82%, 98%, 96%
CMY	0.1804, 0.0196, 0.0431
CMYK	0.16, 0.00, 0.02, 0.02
HSL	171°, 80%, 90%
HSV	171°, 16%, 98%
XYZ	76.8092, 88.4582, 98.6138
YIQ	237.0570, -22.5100, -10.5580

# Conversions

## Conversions Part 2

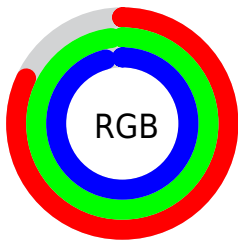
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	209, 231, 250
Decimal	13761268
CIE <sub>Lab</sub>	95.35, -14.25, -1.51
CIE <sub>LCh</sub>	95, 14.329, 186.069
Yxy	88.4582, 0.2911, 0.3352
Android (android.graphics.Color)	4291951348 (0xFFD1FAF4)
YUV	237.0570, 3.4229, -24.6060
Hunter-Lab	94.0522, -18.8166, 3.6710

# Details

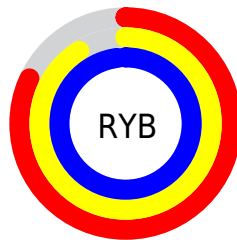
The XYZ color **76.8092, 88.4582, 98.6138** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4937, 70.8335, 74.0398**, and the grayscale version is **80.5291, 84.7229, 92.2632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4735, 48.6408, 54.7797** is the 20% darker color. If you saturate the color by 10%, you get **69.7337, 84.8766, 95.4116**, and if you desaturate by 10%, it is **85.0107, 92.6237, 101.9301**.

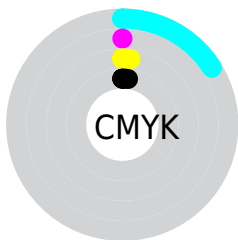
# Distribution



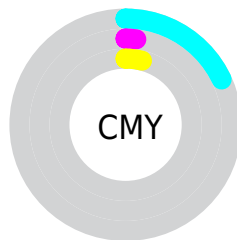
- Red (82%)
- Green (98%)
- Blue (96%)



- Red (82%)
- Yellow (91%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)



- Cyan (18%)
- Magenta (2%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8092, 88.4582, 98.6138 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 76.8092, 88.4582, 98.6138 by changing the saturation by 10% instead.



76.8092, 88.4582,  
98.6138

76.8092, 88.4582,  
98.6138

473.0152,  
523.0026, 576.9479

57.3957, 66.7026,  
74.5329

127.8444,  
145.1949, 161.2861

41.5644, 48.8430,  
54.7309

160.1968,  
180.9448, 200.7147

28.9500, 34.4949,  
38.7892

197.5928,  
222.1282, 246.0963

19.1871, 23.2741,  
26.2892

240.3978,  
269.1296, 297.8494

11.9103, 14.7960,  
16.8124

288.9772,  
322.3334, 356.3925

6.7544, 8.6764,  
9.9403

343.6963,


3.3539, 4.5307,


382.1238, 422.1443


5.2543


404.9205,  
448.8854, 495.5232


 1.3436, 1.9746,  
2.3359


 0.2155, 0.5927,  
0.7512


 76.8092, 88.4582,  
98.6138


 76.8092, 88.4582,  
98.6138

 69.7337, 84.8766,  
95.4116


 85.0107, 92.6237,  
101.9301

 63.7250, 81.8413,  
92.3147

 92.8908, 96.6199,  
105.2874

 58.7297, 79.3272,  
89.3223

 93.4745, 96.8534,  
108.3615

 54.6871, 77.3030,  
86.4311

 93.4773, 96.8545,  
108.3758

■ 51.5296, 75.7338,  
83.6376

■ 49.1808, 74.5803,  
80.9379

■ 47.5514, 73.7963,  
78.3274

■ 46.5294, 73.3244,  
75.8007

■ 46.2484, 73.1990,  
74.9089

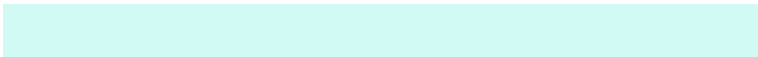
# Harmonies

## Analogous

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



77.3804, 88.4582, 87.8303



76.8092, 88.4582, 98.6138



78.1360, 88.4582, 109.5786

# Triad

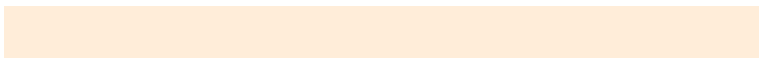
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8092, 88.4582, 98.6138



88.5885, 88.4582, 114.8201



87.1685, 88.4582, 77.9188

# Complementary

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



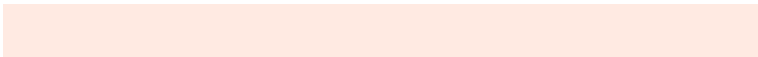
76.8092, 88.4582, 98.6138



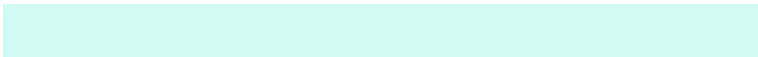
74.4937, 70.8335, 74.0398

# 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.



90.3115, 88.4582, 84.1691



76.8092, 88.4582, 98.6138



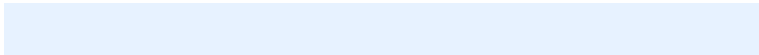
91.1490, 88.4582, 105.3312

# Square

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



76.8092, 88.4582, 98.6138



84.8754, 88.4582, 119.3912



91.7891, 88.4582, 94.0541

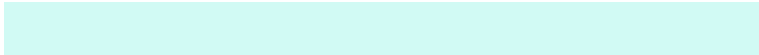


83.2833, 88.4582, 76.4237

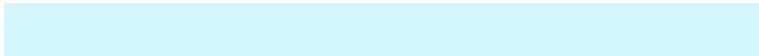


# Rectangle

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



76.8092, 88.4582, 98.6138



79.9433, 88.4582, 115.3396



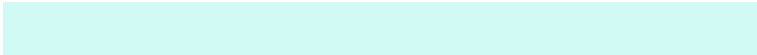
91.7891, 88.4582, 94.0541



88.3505, 88.4582, 79.5083

# Sweetspot

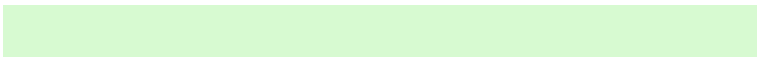
The Sweet Spot groups the original color and five complimentary colors.



76.8117, 88.4619, 98.6158



90.2147, 97.5419, 107.1124



73.7653, 87.4482, 73.3143



19.1695, 20.8068, 22.8732



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

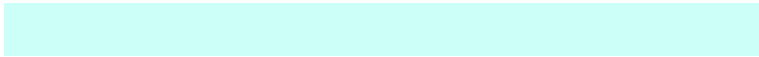


# Same Dimension

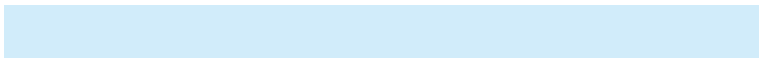
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8117, 88.4619, 98.6158



77.5327, 91.1057, 101.9261



73.4472, 80.2500, 102.0655



17.6501, 19.5623, 21.6241



24.5724, 38.8420, 39.9533



2.3047, 3.6090, 3.8523



# Inverse Universe

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



74.4937, 70.8335, 74.0398



74.6494, 69.1724, 71.3527



77.4173, 77.8928, 71.2774



17.3481, 17.2666, 18.4231



21.1171, 10.8626, 2.0591

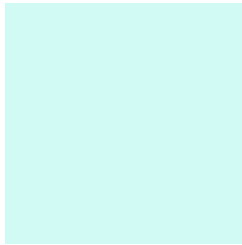


1.9859, 1.0181, 0.3492



# Previews

## White Background



This preview shows how the XYZ color 76.8092, 88.4582, 98.6138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

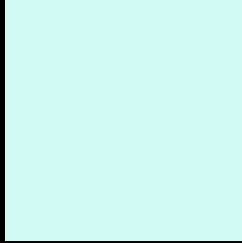
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8092, 88.4582, 98.6138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

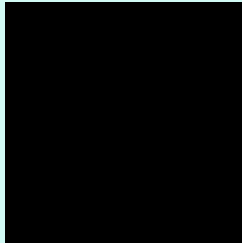
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

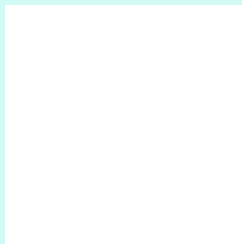
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.8092, 88.4582, 98.6138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8092, 88.4582, 98.6138.



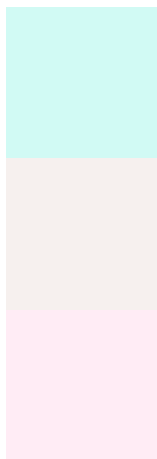
This preview shows how white text looks on a background with the XYZ color 76.8092, 88.4582,

98.6138.

# 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

76.8092, 88.4582, 98.6138

### Protanopia

84.5987, 88.0861, 93.4324

### Deuteranopia

87.7169, 87.8435, 98.7185



## **Tritanopia**

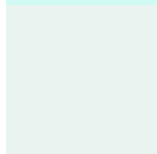
82.0792, 88.2523, 107.3161

# Trichromacy



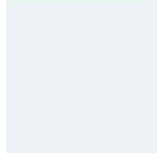
## Original Color

76.8092, 88.4582, 98.6138



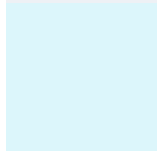
## Protanomaly

81.6831, 88.3163, 95.1797



## Deuteranomaly

83.1966, 87.6803, 98.9253



## Tritanomaly

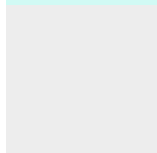
79.8836, 88.0922, 104.0600

# Monochromacy



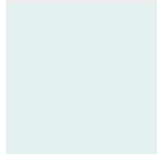
## Original Color

76.8092, 88.4582, 98.6138



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

79.1589, 86.1264, 94.8900

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8092, 88.4582, 98.6138 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(209, 250, 244)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 244)  
}
```

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(209, 250, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8092, 88.4582, 98.6138 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(209, 250, 244) }
```



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

```
.border{ border-color:rgb(209, 250, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 244);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8092, 88.4582, 98.6138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 244) }
```

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

```
.background{ background-color: rgb(209,  
250, 244) }
```

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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