

# Converting Colors

XYZ(77.7879, 91.5685, 86.9734)

Have a look what the booklet for  
XYZ(77.7879, 91.5685, 86.9734)  
contains.

<b>XYZ(77.7879, 91.5685, 86.9734)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(77.7879, 91.5685,  
86.9734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7FFE4
RGB	215, 255, 228
RGB Percent	84%, 100%, 89%
CMY	0.1569, 0.0000, 0.1059
CMYK	0.16, 0.00, 0.11, 0.00
HSL	140°, 100%, 92%
HSV	140°, 16%, 100%
XYZ	77.7879, 91.5685, 86.9734
YIQ	239.9620, -15.1730, -16.8770

# Conversions

## Conversions Part 2

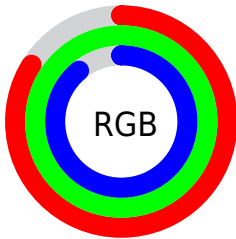
Format	Color
R <sub>Y</sub> B	215, 245, 255
Decimal	14155748
CIE Lab	96.64, -17.84, 8.64
CIE LCh	97, 19.824, 154.147
Yxy	91.5685, 0.3035, 0.3572
Android (android.graphics.Color)	4292345828 (0xFFD7FFE4)
YUV	239.9620, -5.8973, -21.8917
Hunter-Lab	95.6914, -22.3567, 13.0957

# Details

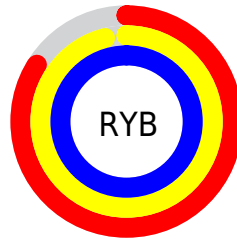
The XYZ color **77.7879, 91.5685, 86.9734** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.5678, 76.2725, 94.4272**, and the grayscale version is **82.8475, 87.1620, 94.9194**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2341, 50.8789, 47.1298** is the 20% darker color. If you saturate the color by 10%, you get **68.6025, 87.0957, 74.6854**, and if you desaturate by 10%, it is **88.3799, 96.7388, 100.5719**.

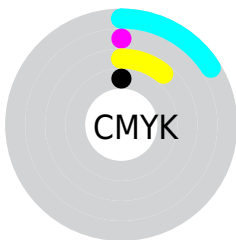
# Distribution



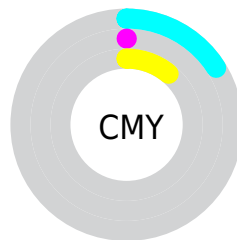
- Red (84%)
- Green (100%)
- Blue (89%)



- Red (84%)
- Yellow (96%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7879, 91.5685, 86.9734 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 77.7879, 91.5685, 86.9734 by changing the saturation by 10% instead.



77.7879, 91.5685,  
86.9734

77.7879, 91.5685,  
86.9734

476.2971,  
533.1200, 538.4494

58.2019, 69.2823,  
64.9137

129.2180,  
149.5152, 145.0256

42.2149, 50.9416,  
46.9402

161.7929,  
185.9445, 181.8552

29.4614, 36.1622,  
32.6344

199.4282,  
227.8569, 224.4451

19.5762, 24.5595,  
21.5777

242.4891,  
275.6369, 273.2140

12.1938, 15.7491,  
13.3516

291.3411,  
329.6688, 328.5803

6.9490, 9.3468,  
7.5375

346.3495,

3.4763, 4.9681,

390.3370, 390.9626

3.7170

407.8797,  
458.0259, 460.7795

■ 1.4103, 2.2285,  
1.4714

■ 0.2636, 0.7355,  
0.1965

■ 77.7879, 91.5685,  
86.9734

■ 77.7879, 91.5685,  
86.9734

■ 68.6025, 87.0957,  
74.6854

■ 88.3799, 96.7388,  
100.5719

■ 60.7604, 83.2888,  
63.6647

95.0500, 100.0000,  
108.9000

■ 54.1972, 80.1153,  
53.8717

■ 48.8416, 77.5394,  
45.2633

■ 44.6156, 75.5217,  
37.7940

■ 41.4311, 74.0180,  
31.4150

■ 39.1864, 72.9766,  
26.0738

■ 37.7565, 72.3346,  
21.7133

■ 37.3167, 72.1427,  
20.1175

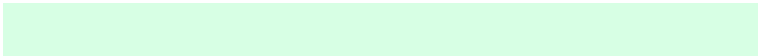
# Harmonies

## Analogous

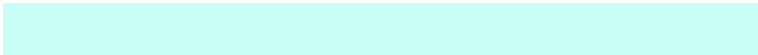
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1853, 91.5685, 76.5101



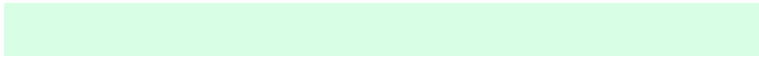
77.7879, 91.5685, 86.9734



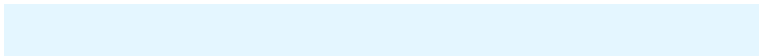
76.8279, 91.5685, 101.9269

# Triad

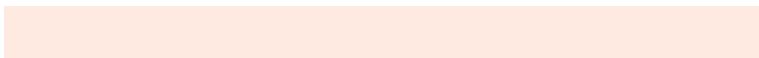
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7879, 91.5685, 86.9734



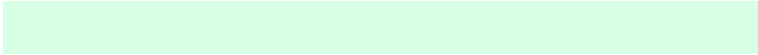
87.8064, 91.5685, 133.3579



96.1570, 91.5685, 83.5283

# Complementary

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



77.7879, 91.5685, 86.9734



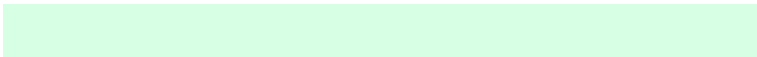
81.5678, 76.2725, 94.4272

# 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.



98.1043, 91.5685, 97.5107



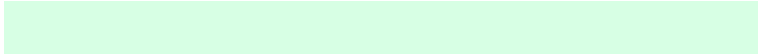
77.7879, 91.5685, 86.9734



93.1552, 91.5685, 127.1636

# Square

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



77.7879, 91.5685, 86.9734



82.4669, 91.5685, 129.7782



96.9833, 91.5685, 113.6167

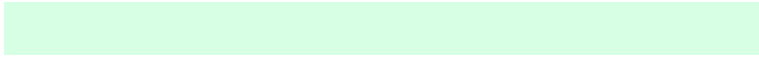


91.7648, 91.5685, 74.6742



# Rectangle

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



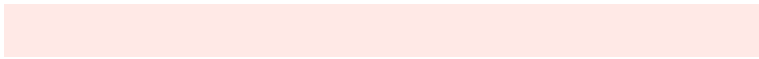
77.7879, 91.5685, 86.9734



77.6636, 91.5685, 112.7208



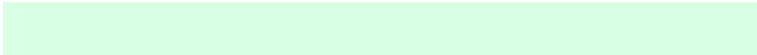
96.9833, 91.5685, 113.6167



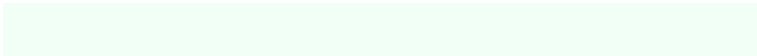
97.1275, 91.5685, 87.7273

# Sweetspot

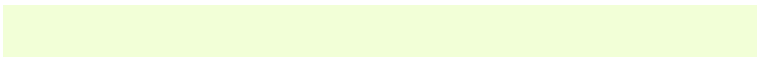
The Sweet Spot groups the original color and five complimentary colors.



77.7887, 91.5689, 86.9748



89.1589, 97.1196, 101.5530



84.7586, 95.3628, 78.2307



18.9128, 20.7041, 21.5213



0.0000, 0.0000, 0.0000

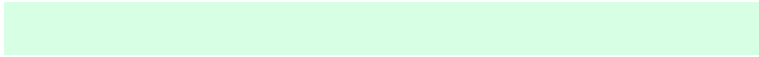


20.3446, 21.4041, 23.3091

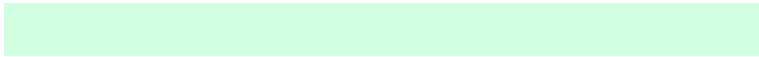


# Same Dimension

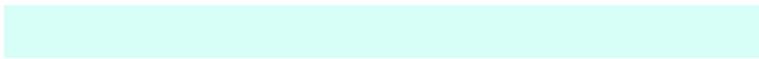
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7887, 91.5689, 86.9748



74.5913, 90.0106, 82.7587



80.6765, 92.7240, 102.1817



18.0149, 20.2655, 20.3815



19.5593, 37.7203, 10.8304



1.9521, 3.6918, 1.3056



# Inverse Universe

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



81.5678, 76.2725, 94.4272



79.0613, 71.9149, 91.5713



78.7706, 75.1536, 79.6971



18.5268, 18.1940, 21.3913



25.5172, 12.6962, 21.9059



2.5347, 1.2563, 2.3973



# Previews

## White Background



This preview shows how the XYZ color 77.7879, 91.5685, 86.9734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

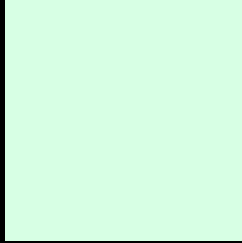
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.7879, 91.5685, 86.9734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

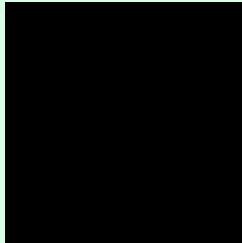
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

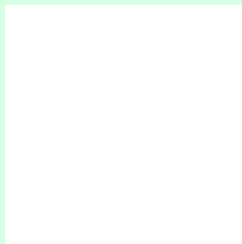
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.7879, 91.5685, 86.9734**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.7879, 91.5685, 86.9734.



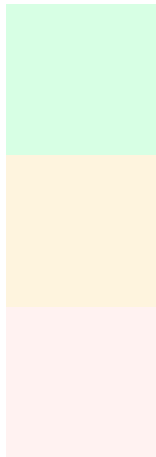
This preview shows how white text looks on a background with the XYZ color 77.7879, 91.5685,

86.9734.

# 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

77.7879, 91.5685, 86.9734

### Protanopia

86.4086, 91.0461, 82.1267

### Deuteranopia

88.8693, 91.1151, 96.1222



## Tritanopia

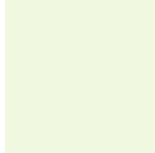
85.9028, 91.5744, 107.7558

# Trichromacy



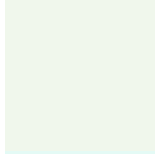
## Original Color

77.7879, 91.5685, 86.9734



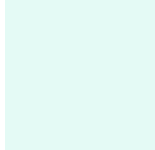
## Protanomaly

82.9571, 91.0419, 83.7215



## Deuteranomaly

84.3363, 91.1029, 92.4965



## Tritanomaly

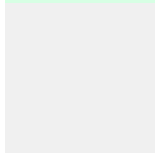
82.6619, 91.4578, 99.6826

# Monochromacy



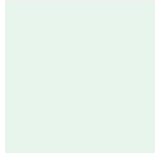
## Original Color

77.7879, 91.5685, 86.9734



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.7477, 88.3499, 92.1543

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7879, 91.5685, 86.9734 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(215, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 228)  
}
```

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(215, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7879, 91.5685, 86.9734 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(215, 255, 228) }
```



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

```
.border{ border-color:rgb(215, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.7879, 91.5685, 86.9734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 228) }
```

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

```
.background{ background-color: rgb(215,  
255, 228) }
```

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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