

# Converting Colors

XYZ(77.8004, 86.4430,  
101.2985)

Have a look what the booklet for  
XYZ(77.8004, 86.4430, 101.2985)  
contains.

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# **Color**

**XYZ(77.9146, 86.6811,  
101.4315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F5F8
RGB	216, 245, 248
RGB Percent	85%, 96%, 97%
CMY	0.1529, 0.0392, 0.0274
CMYK	0.13, 0.01, 0.00, 0.03
HSL	186°, 70%, 91%
HSV	186°, 13%, 97%
XYZ	77.9146, 86.6811, 101.4315
YIQ	236.6710, -18.2470, -5.2150

# Conversions

## Conversions Part 2

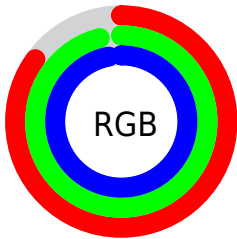
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	216, 231, 248
Decimal	14218744
CIE Lab	94.60, -8.79, -4.63
CIE LCh	95, 9.936, 207.805
Yxy	86.6811, 0.2929, 0.3258
Android (android.graphics.Color)	4292408824 (0xFFD8F5F8)
YUV	236.6710, 5.5852, -18.1285
Hunter-Lab	93.1027, -13.5489, 0.5779

# Details

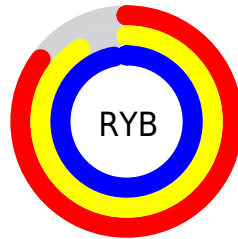
The XYZ color **77.9146, 86.6811, 101.4315** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.4381, 75.5770, 75.5264**, and the grayscale version is **80.2139, 84.3913, 91.9021**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4100, 47.7780, 56.8560** is the 20% darker color. If you saturate the color by 10%, you get **70.4361, 81.7917, 100.8833**, and if you desaturate by 10%, it is **86.5128, 92.1655, 102.0383**.

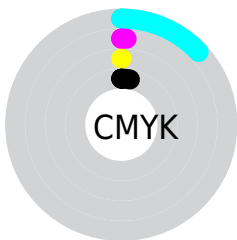
# Distribution



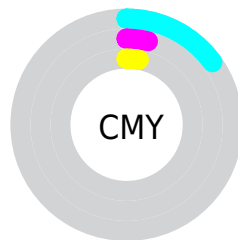
- Red (85%)
- Green (96%)
- Blue (97%)



- Red (85%)
- Yellow (91%)
- Blue (97%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)



- Cyan (15%)
- Magenta (4%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9146, 86.6811, 101.4315 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 77.9146, 86.6811, 101.4315 by changing the saturation by 10% instead.



77.9146, 86.6811,  
101.4315

77.9146, 86.6811,  
101.4315

476.7210,  
517.1744, 586.0583

58.3064, 65.2313,  
76.8730

129.3957,  
142.7196, 165.1920

42.2992, 47.6487,  
56.6377

161.9993,  
178.0771, 205.2311

29.5278, 33.5488,  
40.3071

199.6655,  
218.8392, 251.2676

19.6267, 22.5472,  
27.4624

242.7594,  
265.3905, 303.7199

12.2307, 14.2595,  
17.6853

291.6466,  
318.1153, 363.0066

6.9743, 8.3014,  
10.5572

346.6924,

3.4922, 4.2884,

377.3979, 429.5462

5.6595

408.2620,  
443.6228, 503.7572

■ 1.4191, 1.8362,  
2.5738

■ 0.2698, 0.5096,  
0.8789

■ 77.9146, 86.6811,  
101.4315

■ 77.9146, 86.6811,  
101.4315

■ 70.4361, 81.7917,  
100.8833

■ 86.5128, 92.1655,  
102.0383

■ 64.0202, 77.4608,  
100.3855

■ 92.2604, 96.1912,  
102.5124

■ 58.6164, 73.6646,  
99.9376

■ 92.9851, 97.6406,  
102.7540

■ 54.1669, 70.3733,  
99.5368

■ 93.7188, 99.1079,  
102.9985

■ 50.6079, 67.5541,  
99.1802

■ 93.9435, 99.5574,  
103.0734

■ 47.8682, 65.1700,  
98.8644

■ 45.8650, 63.1784,  
98.5856

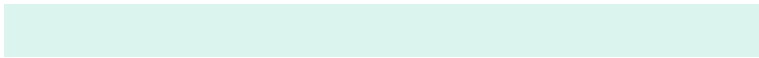
■ 44.4984, 61.5277,  
98.3390

■ 43.8092, 60.5087,  
98.1786

# Harmonies

## Analogous

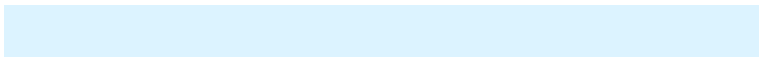
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3466, 86.6811, 93.8170



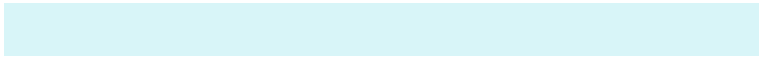
77.9146, 86.6811, 101.4315



79.6734, 86.6811, 107.4245

# Triad

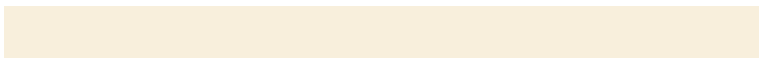
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9146, 86.6811, 101.4315



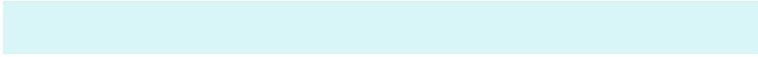
86.8245, 86.6811, 102.4619



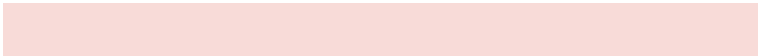
82.5853, 86.6811, 80.3927

# Complementary

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



77.9146, 86.6811, 101.4315



76.4381, 75.5770, 75.5264

# 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.



85.1631, 86.6811, 82.4385



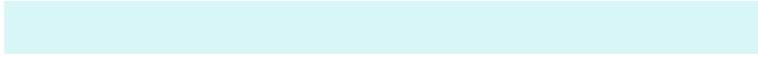
77.9146, 86.6811, 101.4315



87.6434, 86.6811, 94.9472

# Square

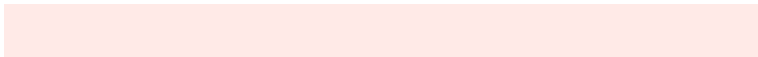
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9146, 86.6811, 101.4315



84.8142, 86.6811, 108.0417



87.0290, 86.6811, 87.6650

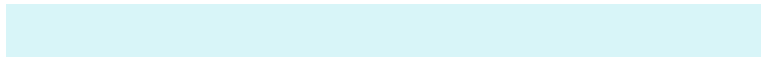


80.0081, 86.6811, 81.9232

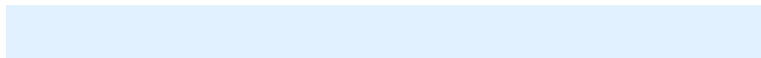


# Rectangle

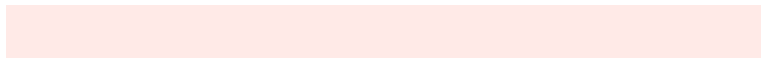
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



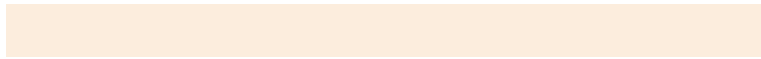
77.9146, 86.6811, 101.4315



81.3044, 86.6811, 109.5483



87.0290, 86.6811, 87.6650



83.4808, 86.6811, 80.6825

# Sweetspot

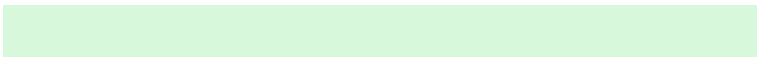
The Sweet Spot groups the original color and five complimentary colors.



77.9171, 86.6847, 101.4334



91.0925, 97.5086, 108.6277



74.6301, 86.8321, 79.6163



19.3430, 20.7731, 23.2401



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

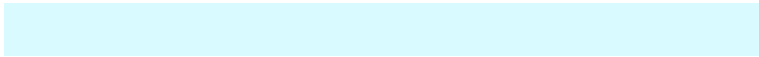


# Same Dimension

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



77.9171, 86.6847, 101.4334



81.2190, 91.1895, 107.9284



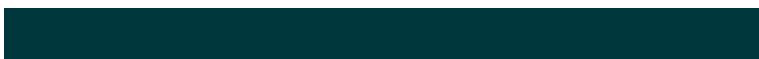
73.3753, 77.6011, 99.9195



17.6187, 19.3143, 22.1847



23.7215, 32.7985, 53.0540



2.2363, 3.1163, 4.9268



# Inverse Universe

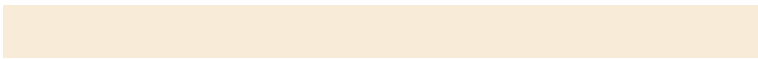
The Inverse Universe completely reimagines the original color for something new.



79.7507, 75.6625, 96.7915



83.4671, 77.7484, 102.2207



80.7205, 84.1418, 76.9538



17.9188, 17.4949, 21.4283



28.2655, 13.7219, 39.7022

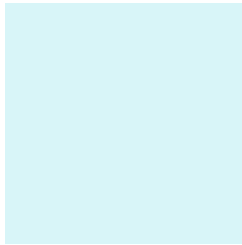


2.6377, 1.2788, 3.7815



# Previews

## White Background



This preview shows how the XYZ color 77.9146, 86.6811, 101.4315 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

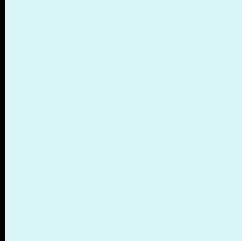
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9146, 86.6811, 101.4315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

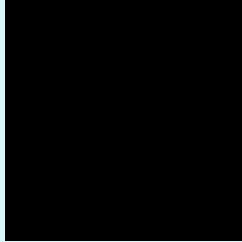
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.9146, 86.6811, 101.4315

## Background



This preview shows how black text looks on a background with the XYZ color 77.9146, 86.6811, 101.4315.



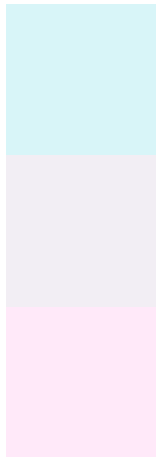
This preview shows how white text looks on a background with the XYZ color 77.9146, 86.6811,

101.4315.

# 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

77.9146, 86.6811, 101.4315

### Protanopia

83.5216, 86.5580, 97.8932

### Deuteranopia

87.4778, 86.3774, 101.6845



## Tritanopia

80.8535, 86.7318, 107.0872

# Trichromacy



## Original Color

77.9146, 86.6811, 101.4315

## Protanomaly

81.5410, 86.8268, 98.8478

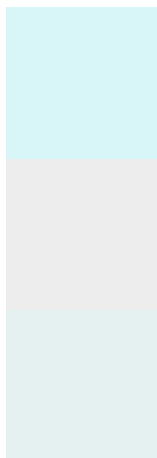
## Deuteranomaly

83.6587, 86.1087, 101.8339

## Tritanomaly

79.7455, 86.6591, 104.6193

# Monochromacy



## Original Color

77.9146, 86.6811, 101.4315

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.3504, 85.3291, 95.5070

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9146, 86.6811, 101.4315 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(216, 245, 248)` looks like.

```
.text, #text, p{  
    color:rgb(216, 245, 248)  
}
```

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(216, 245, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 245, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9146, 86.6811, 101.4315 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(216, 245, 248) }
```



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

```
.border{ border-color:rgb(216, 245, 248) }
```

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

Here you see how a box with a 4 pixel rgb(216, 245, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 245, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 245, 248);  
box-shadow:4px 4px 4px 4px rgb(216, 245,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9146, 86.6811, 101.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 245, 248) }
```

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

```
.background{ background-color: rgb(216,  
245, 248) }
```

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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