

# Converting Colors

XYZ(77.1828, 82.2624,  
104.2867)

Have a look what the booklet for  
XYZ(77.1828, 82.2624, 104.2867)  
contains.

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# Color

**XYZ(77.0813, 82.2348,  
103.9057)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCECFC
RGB	220, 236, 252
RGB Percent	86%, 93%, 99%
CMY	0.1372, 0.0745, 0.0118
CMYK	0.13, 0.06, 0.00, 0.01
HSL	210°, 84%, 93%
HSV	210°, 13%, 99%
XYZ	77.0813, 82.2348, 103.9057
YIQ	233.0400, -14.6720, 1.5840

# Conversions

## Conversions Part 2

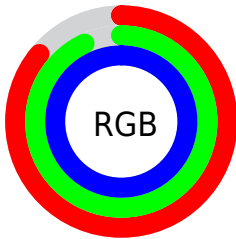
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 231, 252
Decimal	14478588
CIE Lab	92.68, -2.17, -9.53
CIE LCh	93, 9.772, 257.179
Yxy	82.2348, 0.2928, 0.3124
Android (android.graphics.Color)	4292668668 (0xFFDCECF8)
YUV	233.0400, 9.3473, -11.4361
Hunter-Lab	90.6834, -6.9702, -4.4565

# Details

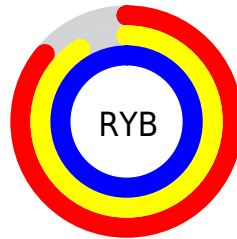
The XYZ color **77.0813, 82.2348, 103.9057** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.0590, 85.8532, 79.9053**, and the grayscale version is **77.4240, 81.4560, 88.7056**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6886, 44.5820, 58.0377** is the 20% darker color. If you saturate the color by 10%, you get **66.5222, 71.5976, 102.4103**, and if you desaturate by 10%, it is **89.0507, 93.9832, 105.5438**.

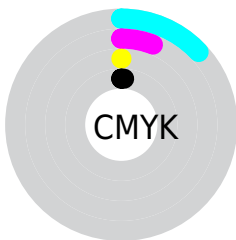
# Distribution



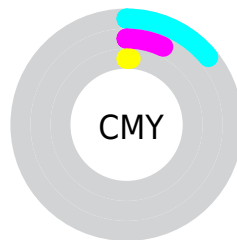
- Red (86%)
- Green (93%)
- Blue (99%)



- Red (86%)
- Yellow (91%)
- Blue (99%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (14%)
- Magenta (7%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0813, 82.2348, 103.9057 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 77.0813, 82.2348, 103.9057 by changing the saturation by 10% instead.



■ 77.0813, 82.2348,  
103.9057

■ 77.0813, 82.2348,  
103.9057

473.9289,  
502.4327, 593.9967

■ 57.6198, 61.5591,  
78.9313

128.2265,  
136.5032, 168.6128

■ 41.7451, 44.6765,  
58.3184

160.6408,  
170.8647, 209.1825

■ 29.0920, 31.2027,  
41.6483

198.1035,  
210.5570, 255.7879

■ 19.2951, 20.7533,  
28.5025

240.9798,  
255.9643, 308.8473

■ 11.9889, 12.9438,  
18.4624

289.6351,  
307.4712, 368.7793

■ 6.8083, 7.3898,  
11.1096

344.4349,

■ 3.3878, 3.7071,

365.4619, 436.0026

6.0255

405.7443,  
430.3210, 510.9355

■ 1.3620, 1.5111,  
2.7916

■ 0.2289, 0.2965,  
0.9892

■ 77.0813, 82.2348,  
103.9057

■ 77.0813, 82.2348,  
103.9057

■ 66.5222, 71.5976,  
102.4103

■ 89.0507, 93.9832,  
105.5438

■ 57.3097, 62.0244,  
101.0481

94.5709, 99.8084,  
106.3772

■ 49.3856, 53.4794,  
99.8164

■ 42.6843, 45.9205,  
98.7106

■ 37.1342, 39.3021,  
97.7256

■ 32.6549, 33.5739,  
96.8560

■ 29.1547, 28.6793,  
96.0958

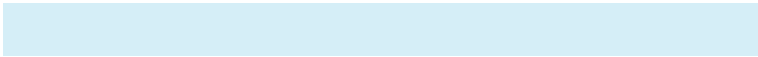
■ 26.5234, 24.5518,  
95.4377

■ 25.0352, 21.9570,  
95.0153

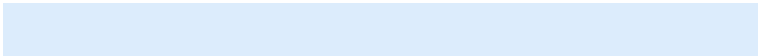
# Harmonies

## Analogous

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



74.8839, 82.2348, 100.2131



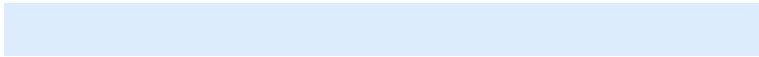
77.0813, 82.2348, 103.9057



79.6154, 82.2348, 103.6015

# Triad

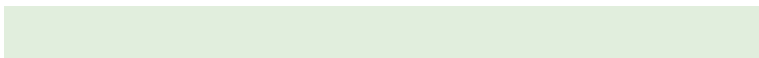
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0813, 82.2348, 103.9057



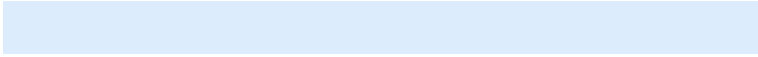
82.9287, 82.2348, 85.4654



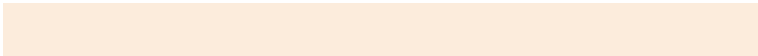
74.6285, 82.2348, 80.3513

# Complementary

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



77.0813, 82.2348, 103.9057



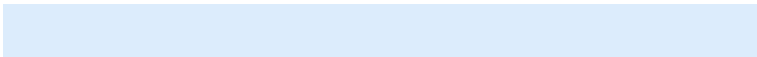
83.0590, 85.8532, 79.9053

# Split Complementary

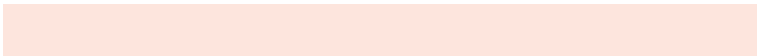
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7258, 82.2348, 76.8116



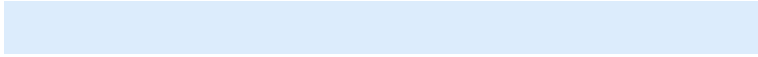
77.0813, 82.2348, 103.9057



81.5339, 82.2348, 79.6525

# Square

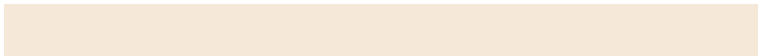
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0813, 82.2348, 103.9057



83.0289, 82.2348, 92.6844



79.2522, 82.2348, 76.5629

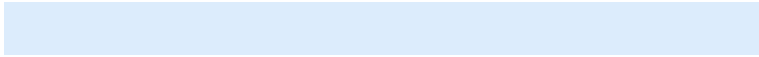


73.4885, 82.2348, 86.4670



# Rectangle

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



77.0813, 82.2348, 103.9057



81.1551, 82.2348, 101.1715



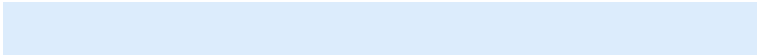
79.2522, 82.2348, 76.5629



75.2428, 82.2348, 78.8355

# Sweetspot

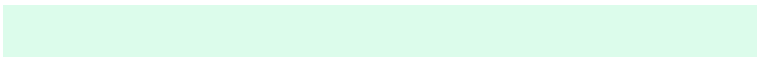
The Sweet Spot groups the original color and five complimentary colors.



77.0837, 82.2382, 103.9075



89.7913, 94.9063, 108.1940



79.3899, 90.8630, 92.3066



19.0131, 20.1133, 23.1301



0.0000, 0.0000, 0.0000

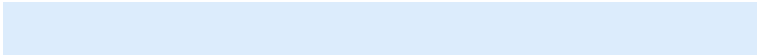


20.3446, 21.4041, 23.3091

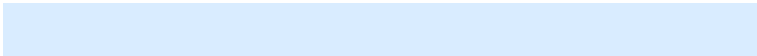


# Same Dimension

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



77.0837, 82.2382, 103.9075



76.5516, 81.8547, 106.3726



72.8208, 73.7123, 102.4865



17.0002, 18.0773, 21.9786



13.1884, 11.7324, 49.5430



1.3275, 1.2986, 4.6239



# Inverse Universe

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



80.8803, 77.9397, 90.1418



81.1112, 76.8060, 89.8147



87.7076, 95.1504, 81.4548



17.6067, 17.3700, 19.7844



22.9489, 11.5953, 11.7054

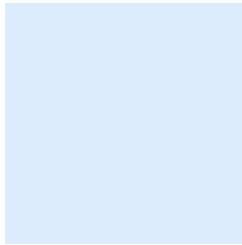


2.1790, 1.0953, 1.3659



# Previews

## White Background



This preview shows how the XYZ color 77.0813, 82.2348, 103.9057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

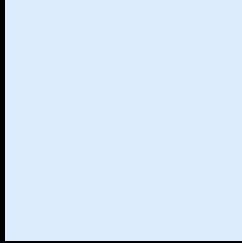
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0813, 82.2348, 103.9057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

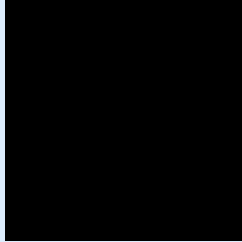
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

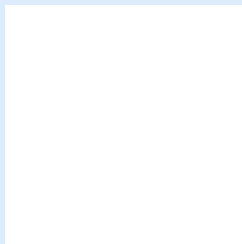
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.0813, 82.2348, 103.9057**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.0813, 82.2348, 103.9057.



This preview shows how white text looks on a background with the XYZ color 77.0813, 82.2348,



# 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

77.0813, 82.2348, 103.9057

### Protanopia

79.7162, 81.9390, 102.0568

### Deuteranopia

83.7162, 81.8681, 105.1557



## Tritanopia

77.4000, 82.3623, 105.5840

# Trichromacy



## Original Color

77.0813, 82.2348, 103.9057

## Protanomaly

78.5464, 81.7368, 102.9037

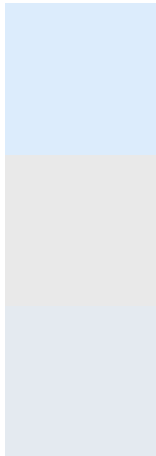
## Deuteranomaly

80.9515, 81.6900, 104.4297

## Tritanomaly

77.2403, 82.2984, 104.7427

# Monochromacy



## Original Color

77.0813, 82.2348, 103.9057

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.1459, 81.6309, 94.1284

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0813, 82.2348, 103.9057 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(220, 236, 252)` looks like.

```
.text, #text, p{  
    color:rgb(220, 236, 252)  
}
```

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(220, 236, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 236, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0813, 82.2348, 103.9057 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(220, 236, 252) }
```



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

```
.border{ border-color:rgb(220, 236, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 236, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 236, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 236, 252);  
box-shadow:4px 4px 4px 4px rgb(220, 236,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0813, 82.2348, 103.9057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 236, 252) }
```

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

```
.background{ background-color: rgb(220,  
236, 252) }
```

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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