

Converting Colors

XYZ(82.8055, 83.2108,
136.3315)

Have a look what the booklet for
XYZ(82.8055, 83.2108, 136.3315)
contains.

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Color

**XYZ(77.0077, 80.8700,
106.1585)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE9FF
RGB	221, 233, 255
RGB Percent	87%, 91%, 100%
CMY	0.1333, 0.0863, 0.0000
CMYK	0.13, 0.09, 0.00, 0.00
HSL	219°, 100%, 93%
HSV	219°, 13%, 100%
XYZ	77.0077, 80.8700, 106.1585
YIQ	231.9200, -14.2140, 4.2980

Conversions

Conversions Part 2

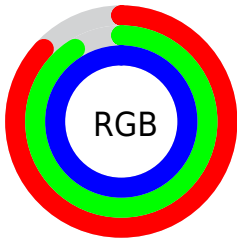
Format	Color
R _Y B	221, 230, 255
Decimal	14543359
CIE Lab	92.07, 0.29, -11.98
CIE LCh	92, 11.987, 271.382
Yxy	80.8700, 0.2917, 0.3063
Android (android.graphics.Color)	4292733439 (0xFFDDE9FF)
YUV	231.9200, 11.3784, -9.5768
Hunter-Lab	89.9277, -4.5189, -7.0416

Details

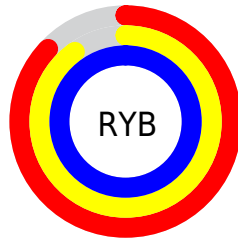
The XYZ color **77.0077, 80.8700, 106.1585** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.3412, 90.5800, 81.3412**, and the grayscale version is **76.5690, 80.5565, 87.7261**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6411, 43.6285, 59.6525** is the 20% darker color. If you saturate the color by 10%, you get **65.3719, 68.2616, 104.3381**, and if you desaturate by 10%, it is **90.2636, 94.9661, 108.1806**.

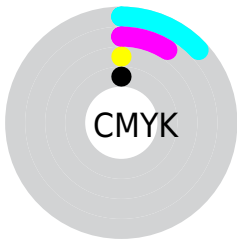
Distribution



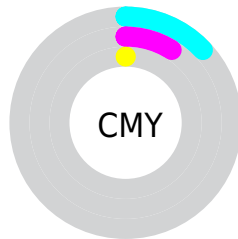
- Red (87%)
- Green (91%)
- Blue (100%)



- Red (87%)
- Yellow (90%)
- Blue (100%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0077, 80.8700, 106.1585 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 77.0077, 80.8700, 106.1585 by changing the saturation by 10% instead.

■ 77.0077, 80.8700,
106.1585

■ 77.0077, 80.8700,
106.1585

473.6818,
497.8600, 601.1766

■ 57.5591, 60.4345,
80.8082

128.1231,
134.5882, 171.7204

■ 41.6962, 43.7690,
59.8536

160.5207,
168.6398, 212.7690

■ 29.0536, 30.4889,
42.8761

197.9654,
207.9988, 259.8875

■ 19.2658, 20.2100,
29.4572

240.8224,
253.0497, 313.4943

■ 11.9677, 12.5478,
19.1784

289.4572,
304.1769, 374.0082

■ 6.7937, 7.1179,
11.6212

344.2352,

■ 3.3786, 3.5359,

361.7647, 441.8474

6.3669

405.5216,
426.1976, 517.4307

■ 1.3570, 1.4175,
2.9971

■ 0.2253, 0.2296,
1.0931

■ 77.0077, 80.8700,
106.1585

■ 77.0077, 80.8700,
106.1585

■ 65.3719, 68.2616,
104.3381

■ 90.2636, 94.9661,
108.1806

■ 55.2848, 57.0799,
102.7114

95.0500, 100.0000,
108.9000

■ 46.6791, 47.2739,
101.2723

■ 39.4798, 38.7855,
100.0133

■ 33.6046, 31.5522,
98.9268

■ 28.9622, 25.5053,
98.0043

■ 25.4481, 20.5681,
97.2365

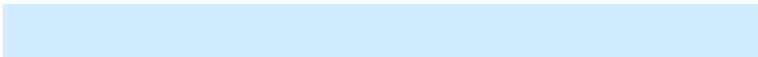
■ 22.9376, 16.6519,
96.6129

■ 21.7085, 14.5371,
96.2695

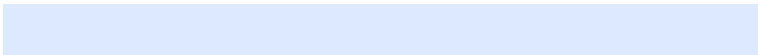
Harmonies

Analogous

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



74.0573, 80.8700, 103.8296



77.0077, 80.8700, 106.1585



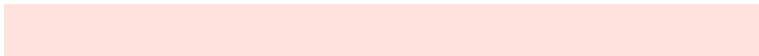
79.9960, 80.8700, 103.3729

Triad

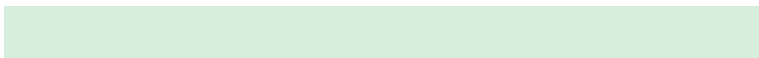
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0077, 80.8700, 106.1585



82.0423, 80.8700, 79.4975



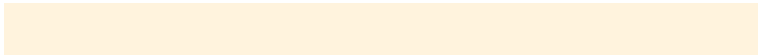
71.7725, 80.8700, 80.1624

Complementary

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



77.0077, 80.8700, 106.1585



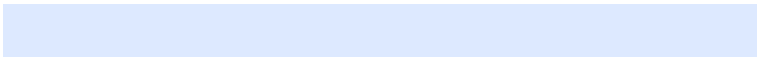
86.3412, 90.5800, 81.3412

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.



73.8158, 80.8700, 74.3280



77.0077, 80.8700, 106.1585



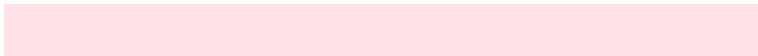
79.7418, 80.8700, 73.9626

Square

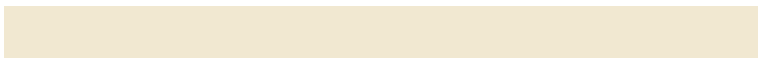
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0077, 80.8700, 106.1585



82.9504, 80.8700, 87.6445



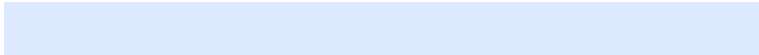
76.7215, 80.8700, 72.1340



71.0838, 80.8700, 88.4642

Rectangle

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



77.0077, 80.8700, 106.1585



81.5945, 80.8700, 99.0915



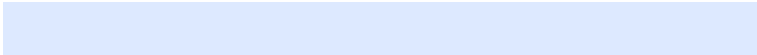
76.7215, 80.8700, 72.1340



72.3209, 80.8700, 77.8676

Sweetspot

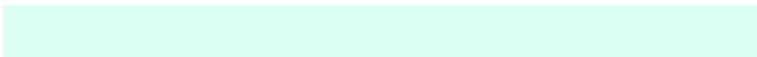
The Sweet Spot groups the original color and five complimentary colors.



77.0099, 80.8733, 106.1590



89.3273, 93.9782, 108.0393



81.6869, 93.3355, 98.1358



18.8958, 19.8787, 23.0910



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.



77.0099, 80.8733, 106.1590



73.7500, 77.3662, 105.6539



75.1255, 75.0278, 105.1300



17.5276, 18.4269, 22.8829



11.4698, 7.8492, 50.3451



1.2150, 0.9607, 4.9347

Inverse Universe

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



81.8058, 78.8576, 88.0041



79.4249, 75.0895, 84.1471



88.4033, 97.1509, 82.5008



18.2742, 18.0930, 20.0612



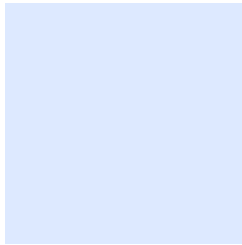
22.5776, 11.5203, 6.4262



2.2479, 1.1415, 0.8868

Previews

White Background



This preview shows how the XYZ color 77.0077, 80.8700, 106.1585 looks on a white background.

Color Contrast Check

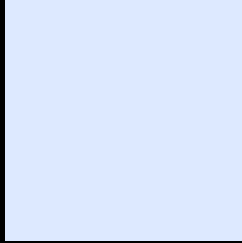
Large Text (above 18pt) WCAG AA × Fail

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 77.0077, 80.8700, 106.1585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

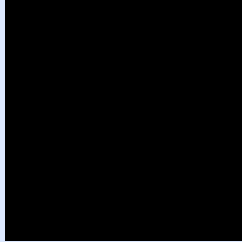
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

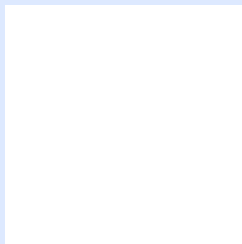
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0077, 80.8700, 106.1585

Background



This preview shows how black text looks on a background with the XYZ color 77.0077, 80.8700, 106.1585.



This preview shows how white text looks on a background with the XYZ color 77.0077, 80.8700,

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

77.0077, 80.8700, 106.1585

Protanopia

78.6596, 80.5085, 104.3224

Deuteranopia

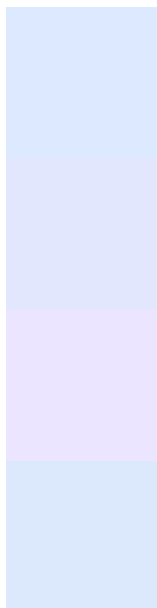
82.2085, 80.6674, 105.8453



Tritanopia

76.2248, 80.5217, 103.6202

Trichromacy



Original Color

77.0077, 80.8700, 106.1585

Protanomaly

78.1439, 80.6385, 105.2121

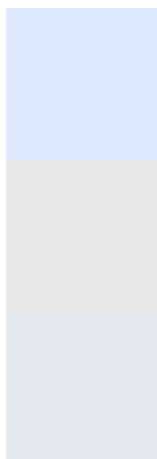
Deuteranomaly

80.3303, 80.9208, 105.9932

Tritanomaly

76.3837, 80.5853, 104.4572

Monochromacy



Original Color

77.0077, 80.8700, 106.1585

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.5797, 80.4985, 93.9397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0077, 80.8700, 106.1585 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(221, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 233, 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(221, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.0077, 80.8700, 106.1585 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(221, 233, 255) }
```


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

```
.border{ border-color:rgb(221, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0077, 80.8700, 106.1585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 233, 255) }
```

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

```
.background{ background-color: rgb(221,  
233, 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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