

Converting Colors

XYZ(76.9967, 80.4628,
106.0805)

Have a look what the booklet for
XYZ(76.9967, 80.4628, 106.0805)
contains.

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Color

**XYZ(77.0308, 80.4628,
106.0787)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DEE8FF |
| RGB | 222, 232, 255 |
| RGB Percent | 87%, 91%, 100% |
| CMY | 0.1294, 0.0902, 0.0000 |
| CMYK | 0.13, 0.09, 0.00, 0.00 |
| HSL | 222°, 100%, 94% |
| HSV | 222°, 13%, 100% |
| XYZ | 77.0308, 80.4628, 106.0787 |
| YIQ | 231.6320, -13.3430, 5.0330 |

Conversions

Conversions Part 2

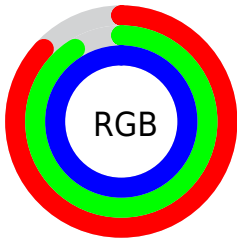
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 222, 230, 255 |
| Decimal | 14608639 |
| CIE Lab | 91.89, 1.12, -12.25 |
| CIE LCh | 92, 12.298, 275.220 |
| Yxy | 80.4628, 0.2923, 0.3053 |
| Android (android.graphics.Color) | 4292798719 (0xFFDEE8FF) |
| YUV | 231.6320, 11.5204, -8.4473 |
| Hunter-Lab | 89.7011, -3.6899, -7.3244 |

Details

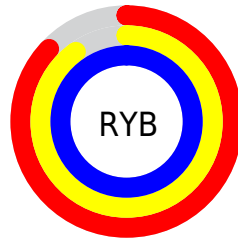
The XYZ color **77.0308, 80.4628, 106.0787** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.0767, 91.8371, 82.2457**, and the grayscale version is **76.3524, 80.3286, 87.4779**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6547, 43.3434, 59.5967** is the 20% darker color. If you saturate the color by 10%, you get **65.0519, 67.2355, 104.1569**, and if you desaturate by 10%, it is **90.7009, 95.3171, 108.2253**.

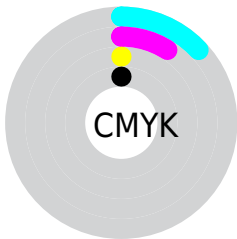
Distribution



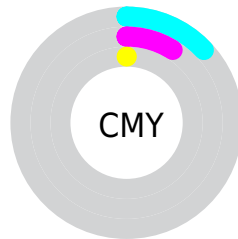
- Red (87%)
- Green (91%)
- Blue (100%)



- 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 77.0308, 80.4628, 106.0787 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 77.0308, 80.4628, 106.0787 by changing the saturation by 10% instead.

■ 77.0308, 80.4628,
106.0787

■ 77.0308, 80.4628,
106.0787

473.7594,
496.4911, 600.9230

■ 57.5782, 60.0993,
80.7417

128.1556,
134.0162, 171.6104

■ 41.7116, 43.4986,
59.7991

160.5584,
167.9749, 212.6421

■ 29.0656, 30.2766,
42.8325

198.0087,
207.2340, 259.7425

■ 19.2750, 20.0486,
29.4233

240.8718,
252.1781, 313.3301

■ 11.9743, 12.4304,
19.1529

289.5131,
303.1914, 373.8234

■ 6.7983, 7.0375,
11.6029

344.2978,

■ 3.3815, 3.4856,

360.6585, 441.6409

6.3547

405.5915,
424.9636, 517.2013

■ 1.3586, 1.3902,
2.9897

■ 0.2264, 0.2095,
1.0894

■ 77.0308, 80.4628,
106.0787

■ 77.0308, 80.4628,
106.0787

■ 65.0519, 67.2355,
104.1569

■ 90.7009, 95.3171,
108.2253

■ 54.6901, 55.5682,
102.4510

95.0500, 100.0000,
108.9000

■ 45.8748, 45.4036,
100.9536

■ 38.5278, 36.6768,
99.6564

■ 32.5635, 29.3178,
98.5504

■ 27.8869, 23.2502,
97.6257

■ 24.3895, 18.3886,
96.8716

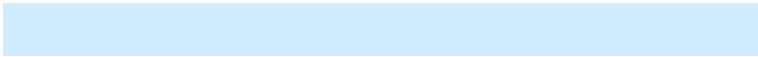
■ 21.9426, 14.6348,
96.2760

■ 20.7249, 12.5698,
95.9416

Harmonies

Analogous

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



73.9625, 80.4628, 104.3525



77.0308, 80.4628, 106.0787



80.0302, 80.4628, 102.5862

Triad

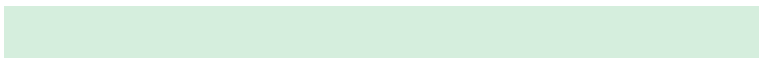
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0308, 80.4628, 106.0787



81.5419, 80.4628, 77.9664



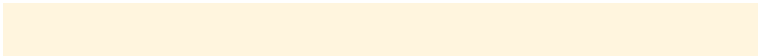
71.1001, 80.4628, 80.5273

Complementary

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



77.0308, 80.4628, 106.0787



87.0767, 91.8371, 82.2457

Split Complementary

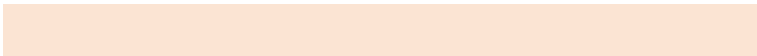
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.0315, 80.4628, 74.1678



77.0308, 80.4628, 106.0787



79.0488, 80.4628, 72.7621

Square

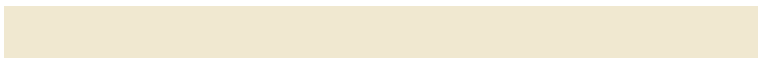
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0308, 80.4628, 106.0787



82.6801, 80.4628, 86.0389



75.9268, 80.4628, 71.4204



70.5931, 80.4628, 89.2007

Rectangle

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



77.0308, 80.4628, 106.0787



81.5698, 80.4628, 97.9007



75.9268, 80.4628, 71.4204



71.6016, 80.4628, 78.0675

Sweetspot

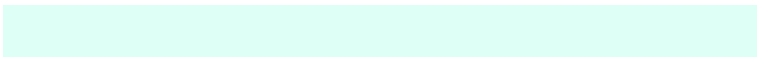
The Sweet Spot groups the original color and five complimentary colors.



77.0329, 80.4661, 106.0792



89.1707, 93.6649, 107.9871



82.2978, 93.6151, 99.7590



18.8562, 19.7996, 23.0778



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.



77.0329, 80.4661, 106.0792



73.1910, 76.2484, 105.4676



76.1832, 75.9662, 105.2554



17.4519, 18.2755, 22.8577



10.9433, 6.7962, 50.1696



1.1567, 0.8441, 4.9152

Inverse Universe

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



81.9281, 79.3302, 87.3419



79.1428, 74.9767, 82.6615



87.9944, 96.9247, 83.1794



18.2360, 18.0777, 19.8600



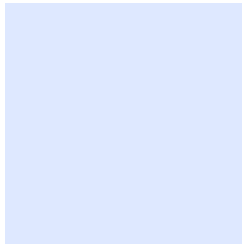
22.3119, 11.4140, 5.0268



2.2185, 1.1298, 0.7319

Previews

White Background



This preview shows how the XYZ color 77.0308, 80.4628, 106.0787 looks on a white background.

Color Contrast Check

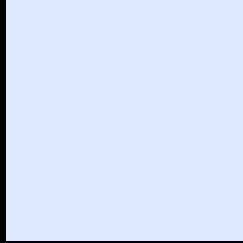
Large Text (above 18pt) WCAG AA × Fail

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 77.0308, 80.4628, 106.0787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

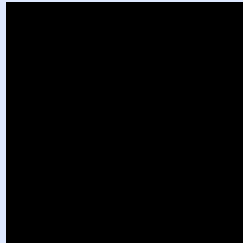
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.0308, 80.4628, 106.0787

Background



This preview shows how black text looks on a background with the XYZ color 77.0308, 80.4628, 106.0787.



This preview shows how white text looks on a background with the XYZ color 77.0308, 80.4628,

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

77.0308, 80.4628, 106.0787

Protanopia

78.4993, 80.4074, 105.1488

Deuteranopia

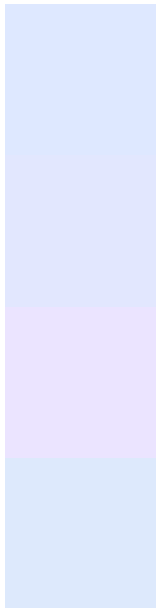
81.8643, 80.4900, 105.8291



Tritanopia

76.3703, 80.6150, 102.8019

Trichromacy



Original Color

77.0308, 80.4628, 106.0787

Protanomaly

77.8293, 80.4763, 105.1974

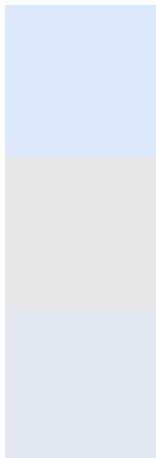
Deuteranomaly

80.0544, 80.3690, 105.9012

Tritanomaly

76.5284, 80.6783, 103.6344

Monochromacy



Original Color

77.0308, 80.4628, 106.0787

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 77.0308, 80.4628, 106.0787 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(222, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 232, 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(222, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.0308, 80.4628, 106.0787 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(222, 232, 255) }
```


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

```
.border{ border-color:rgb(222, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0308, 80.4628, 106.0787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 232, 255) }
```

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

```
.background{ background-color: rgb(222,  
232, 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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