

Converting Colors

XYZ(77.7848, 80.8716,
106.1178)

Have a look what the booklet for
XYZ(77.7848, 80.8716, 106.1178)
contains.

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Color

**XYZ(77.6471, 80.7805,
106.1075)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E8FF
RGB	224, 232, 255
RGB Percent	88%, 91%, 100%
CMY	0.1216, 0.0902, 0.0000
CMYK	0.12, 0.09, 0.00, 0.00
HSL	225°, 100%, 94%
HSV	225°, 12%, 100%
XYZ	77.6471, 80.7805, 106.1075
YIQ	232.2300, -12.1510, 5.4570

Conversions

Conversions Part 2

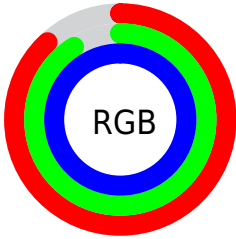
Format	Color
R _Y B	224, 230, 255
Decimal	14739711
CIE Lab	92.03, 1.75, -12.02
CIE LCh	92, 12.147, 278.272
Yxy	80.7805, 0.2935, 0.3054
Android (android.graphics.Color)	4292929791 (0xFFE0E8FF)
YUV	232.2300, 11.2256, -7.2177
Hunter-Lab	89.8780, -3.0773, -7.0816

Details

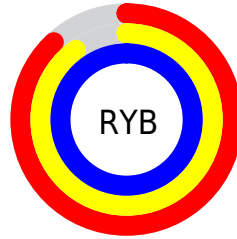
The XYZ color **77.6471, 80.7805, 106.1075** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.9548, 93.1618, 83.8690**, and the grayscale version is **76.8009, 80.8005, 87.9918**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0806, 43.5629, 59.6167** is the 20% darker color. If you saturate the color by 10%, you get **65.2879, 66.9272, 104.0849**, and if you desaturate by 10%, it is **91.7690, 96.3976, 108.3776**.

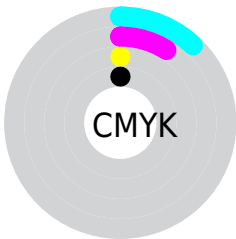
Distribution



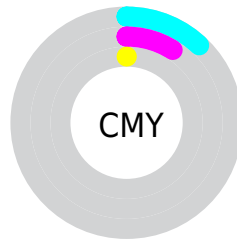
- Red (88%)
- Green (91%)
- Blue (100%)



- Red (88%)
- Yellow (90%)
- Blue (100%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6471, 80.7805, 106.1075 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 77.6471, 80.7805, 106.1075 by changing the saturation by 10% instead.

■ 77.6471, 80.7805,
106.1075

■ 77.6471, 80.7805,
106.1075

475.8257,
497.5593, 601.0145

■ 58.0859, 60.3608,
80.7657

129.0205,
134.4625, 171.6501

■ 42.1212, 43.7095,
59.8188

161.5635,
168.4937, 212.6879

■ 29.3878, 30.4422,
42.8482

199.1644,
207.8308, 259.7948

■ 19.5201, 20.1745,
29.4355

242.1886,
252.8582, 313.3894

■ 12.1529, 12.5219,
19.1621

291.0015,
303.9604, 373.8901

■ 6.9209, 7.1002,
11.6095

345.9684,

■ 3.4585, 3.5248,

361.5217, 441.7155

6.3591

407.4547,
425.9265, 517.2841

■ 1.4006, 1.4115,
2.9923

■ 0.2567, 0.2252,
1.0907

■ 77.6471, 80.7805,
106.1075

■ 77.6471, 80.7805,
106.1075

■ 65.2879, 66.9272,
104.0849

■ 91.7690, 96.3976,
108.3776

■ 54.6142, 54.7646,
102.2999

95.0500, 100.0000,
108.9000

■ 45.5526, 44.2290,
100.7439

■ 38.0218, 35.2485,
99.4074

■ 31.9327, 27.7457,
98.2802

■ 27.1868, 21.6359,
97.3510

■ 23.6723, 16.8250,
96.6076

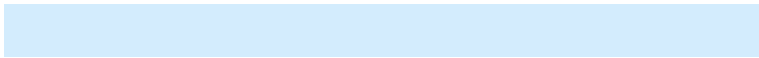
■ 21.2567, 13.2050,
96.0362

■ 19.9885, 11.0971,
95.6962

Harmonies

Analogous

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



74.5765, 80.7805, 104.9292



77.6471, 80.7805, 106.1075



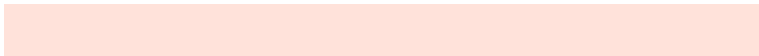
80.5615, 80.7805, 102.1692

Triad

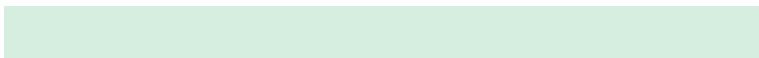
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6471, 80.7805, 106.1075



81.5938, 80.7805, 77.7227



71.3321, 80.7805, 81.7384

Complementary

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



77.6471, 80.7805, 106.1075



87.9548, 93.1618, 83.8690

Split Complementary

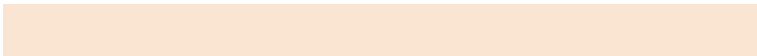
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.1177, 80.7805, 75.1266



77.6471, 80.7805, 106.1075



79.0254, 80.7805, 72.9200

Square

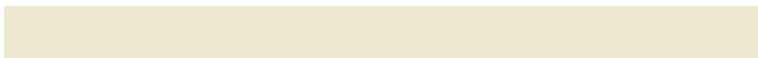
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6471, 80.7805, 106.1075



82.8802, 80.7805, 85.5038



75.9183, 80.7805, 72.0028



70.9857, 80.7805, 90.4551

Rectangle

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



77.6471, 80.7805, 106.1075



82.0041, 80.7805, 97.3195



75.9183, 80.7805, 72.0028



71.7815, 80.7805, 79.2136

Sweetspot

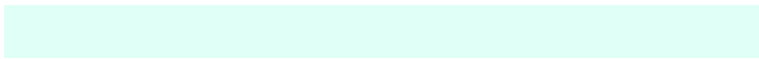
The Sweet Spot groups the original color and five complimentary colors.



77.6493, 80.7838, 106.1080



89.0299, 93.3834, 107.9402



83.2487, 94.0667, 101.5496



18.8207, 19.7285, 23.0660



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.



77.6493, 80.7838, 106.1080



73.9577, 76.6667, 105.5079



77.7372, 77.5607, 105.4813



17.3842, 18.1400, 22.8351



10.5456, 6.0008, 50.0370



1.1105, 0.7516, 4.8998

Inverse Universe

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



82.4625, 80.3991, 87.5201



79.8019, 76.2823, 82.9200



87.8438, 96.8159, 84.5802



18.2018, 18.0640, 19.6799



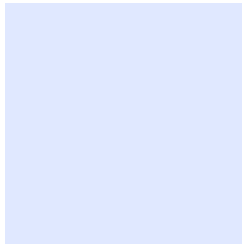
22.1111, 11.3337, 3.9697



2.1951, 1.1204, 0.6089

Previews

White Background



This preview shows how the XYZ color 77.6471, 80.7805, 106.1075 looks on a white background.

Color Contrast Check

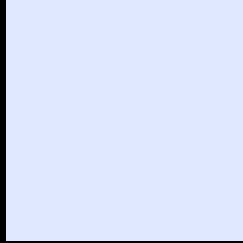
Large Text (above 18pt) WCAG AA × Fail

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 77.6471, 80.7805, 106.1075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

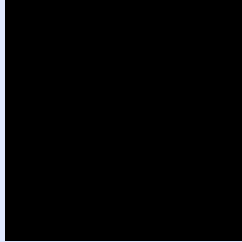
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6471, 80.7805, 106.1075

Background



This preview shows how black text looks on a background with the XYZ color 77.6471, 80.7805, 106.1075.

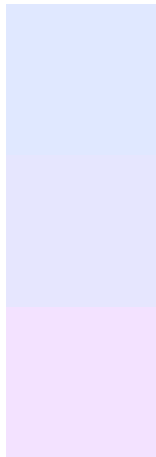


This preview shows how white text looks on a background with the XYZ color 77.6471, 80.7805,

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

77.6471, 80.7805, 106.1075

Protanopia

78.8193, 80.5724, 105.1637

Deuteranopia

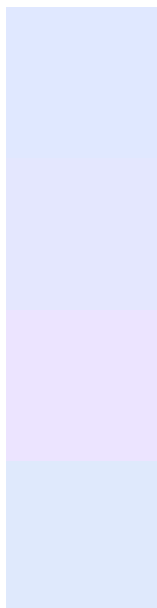
82.2085, 80.6674, 105.8453



Tritanopia

76.9829, 80.9308, 102.8306

Trichromacy



Original Color

77.6471, 80.7805, 106.1075

Protanomaly

78.4602, 80.8016, 105.2269

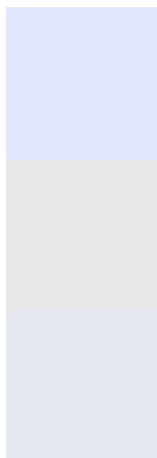
Deuteranomaly

80.3855, 80.5397, 105.9167

Tritanomaly

77.1410, 80.9941, 103.6631

Monochromacy



Original Color

77.6471, 80.7805, 106.1075

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8979, 80.6625, 93.9545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6471, 80.7805, 106.1075 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(224, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.6471, 80.7805, 106.1075 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(224, 232, 255) }
```


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

```
.border{ border-color:rgb(224, 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(224, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6471, 80.7805, 106.1075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 232, 255) }
```

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

```
.background{ background-color: rgb(224,  
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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