

Converting Colors

XYZ(77.9277, 80.4111,
106.0214)

Have a look what the booklet for
XYZ(77.9277, 80.4111, 106.0214)
contains.

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Color

**XYZ(77.9899, 80.5406,
106.0431)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E7FF
RGB	226, 231, 255
RGB Percent	89%, 91%, 100%
CMY	0.1137, 0.0941, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	230°, 100%, 94%
HSV	230°, 11%, 100%
XYZ	77.9899, 80.5406, 106.0431
YIQ	232.2410, -10.6840, 6.4040

Conversions

Conversions Part 2

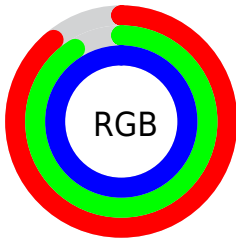
Format	Color
R _Y B	226, 230, 255
Decimal	14870527
CIE Lab	91.93, 2.90, -12.17
CIE LCh	92, 12.505, 283.390
Yxy	80.5406, 0.2948, 0.3044
Android (android.graphics.Color)	4293060607 (0xFFE2E7FF)
YUV	232.2410, 11.2202, -5.4734
Hunter-Lab	89.7444, -1.9322, -7.2367

Details

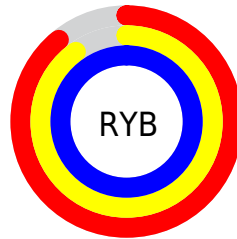
The XYZ color **77.9899, 80.5406, 106.0431** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.1523, 95.1203, 85.6142**, and the grayscale version is **76.8084, 80.8084, 88.0004**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3176, 43.3951, 59.5718** is the 20% darker color. If you saturate the color by 10%, you get **65.0269, 65.6149, 103.8454**, and if you desaturate by 10%, it is **92.8583, 97.5097, 108.5348**.

Distribution



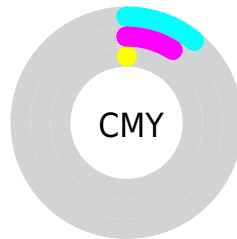
- Red (89%)
- Green (91%)
- Blue (100%)



- Red (89%)
- Yellow (90%)
- Blue (100%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9899, 80.5406, 106.0431 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 77.9899, 80.5406, 106.0431 by changing the saturation by 10% instead.

■ 77.9899, 80.5406,
106.0431

■ 77.9899, 80.5406,
106.0431

476.9729,
496.7528, 600.8099

■ 58.3684, 60.1633,
80.7120

129.5013,
134.1255, 171.5613

■ 42.3493, 43.5503,
59.7748

162.1220,
168.1019, 212.5855

■ 29.5672, 30.3171,
42.8130

199.8065,
207.3802, 259.6778

■ 19.6568, 20.0794,
29.4081

242.9200,
252.3447, 313.2568

■ 12.2526, 12.4528,
19.1416

291.8281,
303.3798, 373.7409

■ 6.9894, 7.0528,
11.5948

346.8960,

■ 3.5017, 3.4952,

360.8699, 441.5488

6.3492

408.4892,
425.1995, 517.0989

■ 1.4243, 1.3954,
2.9864

■ 0.2734, 0.2133,
1.0877

■ 77.9899, 80.5406,
106.0431

■ 77.9899, 80.5406,
106.0431

■ 65.0269, 65.6149,
103.8454

■ 92.8583, 97.5097,
108.5348

■ 53.8853, 52.6455,
101.9293

95.0500, 100.0000,
108.9000

■ 44.4844, 41.5532,
100.2837

■ 36.7348, 32.2498,
98.8965

■ 30.5389, 24.6399,
97.7541

■ 25.7889, 18.6187,
96.8423

■ 22.3621, 14.0694,
96.1448

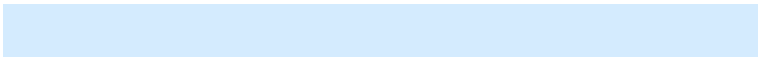
■ 20.1146, 10.8580,
95.6434

■ 18.9506, 9.0212,
95.3502

Harmonies

Analogous

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



74.8003, 80.5406, 105.7515



77.9899, 80.5406, 106.0431



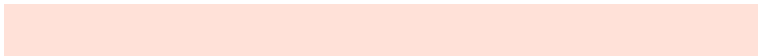
80.8710, 80.5406, 101.1805

Triad

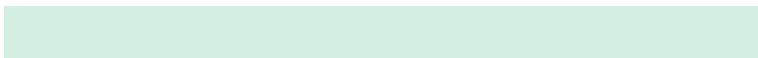
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9899, 80.5406, 106.0431



81.1257, 80.5406, 76.1018



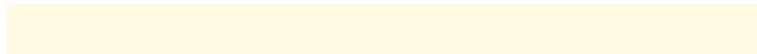
70.7868, 80.5406, 82.7375

Complementary

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



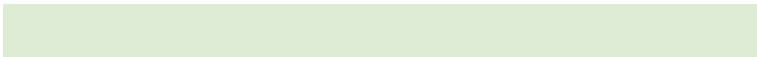
77.9899, 80.5406, 106.0431



89.1523, 95.1203, 85.6142

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.



72.3885, 80.5406, 75.4644



77.9899, 80.5406, 106.0431



78.3297, 80.5406, 71.8206

Square

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



77.9899, 80.5406, 106.0431



82.7153, 80.5406, 83.6643



75.1307, 80.5406, 71.5957



70.7016, 80.5406, 91.8532

Rectangle

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



77.9899, 80.5406, 106.0431



82.2045, 80.5406, 95.8549



75.1307, 80.5406, 71.5957



71.1637, 80.5406, 80.0119

Sweetspot

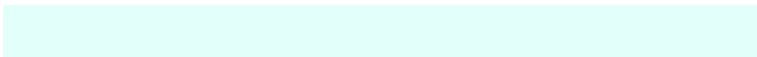
The Sweet Spot groups the original color and five complimentary colors.



77.9921, 80.5439, 106.0436



90.3051, 94.6053, 108.1088



84.3304, 94.5714, 103.9921



19.0640, 19.9477, 23.0955



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.



77.9921, 80.5439, 106.0436



74.4034, 76.4260, 105.4379



79.5689, 79.3074, 105.7219



17.2563, 17.8842, 22.7924



9.9753, 4.8602, 49.8469



1.0380, 0.6067, 4.8757

Inverse Universe

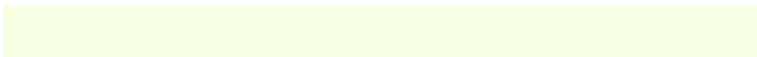
The Inverse Universe completely reimagines the original color for something new.



82.8615, 81.4236, 86.9543



80.3033, 77.5411, 82.2979



87.4297, 96.5709, 85.9850



18.1373, 18.0382, 19.3400



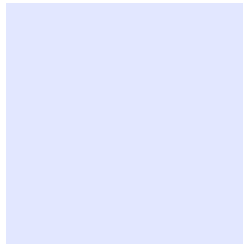
21.8233, 11.2186, 2.4539



2.1585, 1.1058, 0.4163

Previews

White Background



This preview shows how the XYZ color 77.9899, 80.5406, 106.0431 looks on a white background.

Color Contrast Check

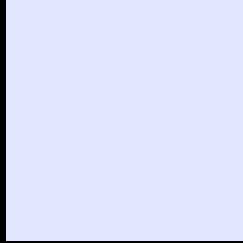
Large Text (above 18pt) WCAG AA × Fail

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 77.9899, 80.5406, 106.0431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

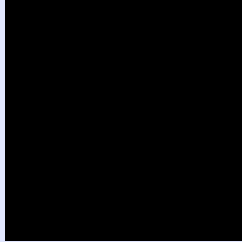
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9899, 80.5406, 106.0431

Background



This preview shows how black text looks on a background with the XYZ color 77.9899, 80.5406, 106.0431.



This preview shows how white text looks on a background with the XYZ color 77.9899, 80.5406,

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

77.9899, 80.5406, 106.0431

Protanopia

78.4993, 80.4074, 105.1488

Deuteranopia

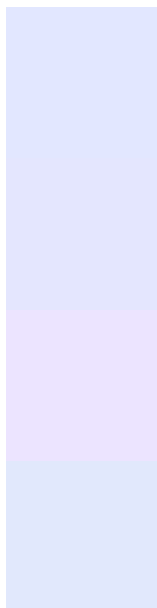
81.8643, 80.4900, 105.8291



Tritanopia

77.1633, 80.6229, 101.9373

Trichromacy



Original Color

77.9899, 80.5406, 106.0431

Protanomaly

78.1811, 80.2434, 105.1339

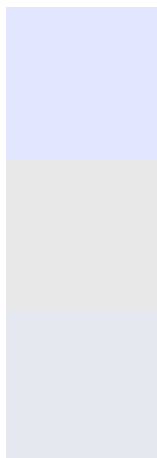
Deuteranomaly

80.3855, 80.5397, 105.9167

Tritanomaly

77.4786, 80.7491, 103.5980

Monochromacy



Original Color

77.9899, 80.5406, 106.0431

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.2179, 80.8275, 93.9695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9899, 80.5406, 106.0431 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(226, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 231, 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(226, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.9899, 80.5406, 106.0431 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(226, 231, 255) }
```


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

```
.border{ border-color:rgb(226, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9899, 80.5406, 106.0431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 231, 255) }
```

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

```
.background{ background-color: rgb(226,  
231, 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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