

Converting Colors

XYZ(78.1613, 81.6236,
106.2431)

Have a look what the booklet for
XYZ(78.1613, 81.6236, 106.2431)
contains.

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Color

**XYZ(77.9294, 81.3451,
106.2016)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E9FF
RGB	224, 233, 255
RGB Percent	88%, 91%, 100%
CMY	0.1216, 0.0863, 0.0000
CMYK	0.12, 0.09, 0.00, 0.00
HSL	223°, 100%, 94%
HSV	223°, 12%, 100%
XYZ	77.9294, 81.3451, 106.2016
YIQ	232.8170, -12.4260, 4.9340

Conversions

Conversions Part 2

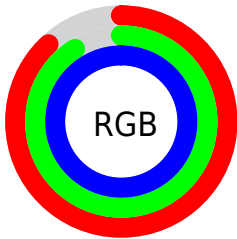
Format	Color
R _Y B	224, 231, 255
Decimal	14739967
CIE Lab	92.29, 1.23, -11.65
CIE LCh	92, 11.711, 276.033
Yxy	81.3451, 0.2935, 0.3064
Android (android.graphics.Color)	4292930047 (0xFFE0E9FF)
YUV	232.8170, 10.9362, -7.7325
Hunter-Lab	90.1915, -3.6034, -6.6806

Details

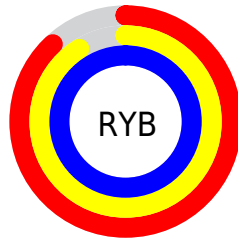
The XYZ color **77.9294, 81.3451, 106.2016** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.6498, 92.5518, 83.7673**, and the grayscale version is **77.2434, 81.2661, 88.4988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2774, 43.9565, 59.6823** is the 20% darker color. If you saturate the color by 10%, you get **65.7492, 67.8498, 104.2387**, and if you desaturate by 10%, it is **91.8244, 96.5085, 108.3961**.

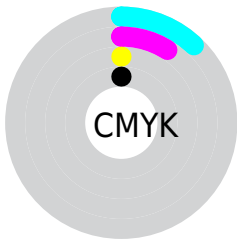
Distribution



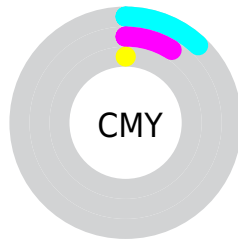
- Red (88%)
- Green (91%)
- Blue (100%)



- Red (88%)
- Yellow (91%)
- 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 77.9294, 81.3451, 106.2016 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 77.9294, 81.3451, 106.2016 by changing the saturation by 10% instead.

■ 77.9294, 81.3451,
106.2016

■ 77.9294, 81.3451,
106.2016

476.7705,
499.4544, 601.3135

■ 58.3186, 60.8259,
80.8441

129.4165,
135.2552, 171.7798

■ 42.3091, 44.0846,
59.8830

162.0234,
169.4149, 212.8375

■ 29.5355, 30.7371,
42.8996

199.6932,
208.8902, 259.9658

■ 19.6326, 20.3987,
29.4756

242.7910,
254.0655, 313.5831

■ 12.2350, 12.6852,
19.1922

291.6823,
305.3251, 374.1079

■ 6.9773, 7.2121,
11.6310

346.7324,

■ 3.4941, 3.5951,

363.0536, 441.9589

6.3735

408.3067,
427.6352, 517.5546

■ 1.4201, 1.4498,
3.0010

■ 0.2705, 0.2530,
1.0952

■ 77.9294, 81.3451,
106.2016

■ 77.9294, 81.3451,
106.2016

■ 65.7492, 67.8498,
104.2387

■ 91.8244, 96.5085,
108.3961

■ 55.2089, 55.9540,
102.4981

95.0500, 100.0000,
108.9000

■ 46.2376, 45.5990,
100.9722

■ 38.7566, 36.7181,
99.6524

■ 32.6798, 29.2398,
98.5292

■ 27.9118, 23.0859,
97.5926

■ 24.3443, 18.1692,
96.8317

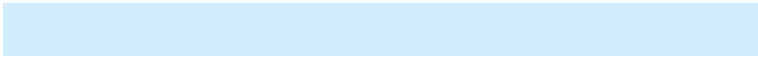
■ 21.8491, 14.3899,
96.2337

■ 20.5028, 12.1256,
95.8676

Harmonies

Analogous

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



74.9761, 81.3451, 104.6911



77.9294, 81.3451, 106.2016



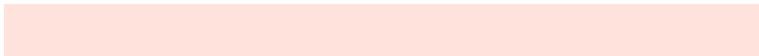
80.7904, 81.3451, 102.7448

Triad

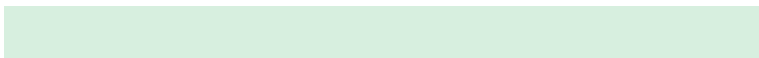
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9294, 81.3451, 106.2016



82.1185, 81.3451, 79.1236



72.1190, 81.3451, 81.9716

Complementary

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



77.9294, 81.3451, 106.2016



87.6498, 92.5518, 83.7673

Split Complementary

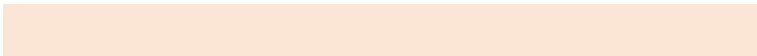
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9428, 81.3451, 75.7646



77.9294, 81.3451, 106.2016



79.7043, 81.3451, 74.1969

Square

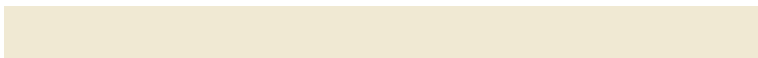
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9294, 81.3451, 106.2016



83.2493, 81.3451, 86.8306



76.7060, 81.3451, 73.0083



71.6717, 81.3451, 90.3344

Rectangle

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



77.9294, 81.3451, 106.2016



82.2439, 81.3451, 98.2134



76.7060, 81.3451, 73.0083



72.5891, 81.3451, 79.5813

Sweetspot

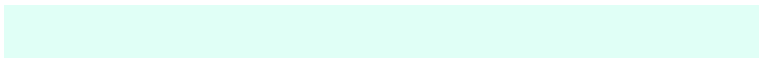
The Sweet Spot groups the original color and five complimentary colors.



77.9316, 81.3484, 106.2021



89.1308, 93.5853, 107.9738



83.0898, 94.0031, 100.7132



18.8462, 19.7795, 23.0745



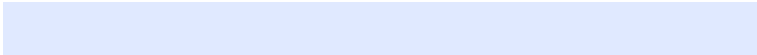
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



77.9316, 81.3484, 106.2021



74.2957, 77.3427, 105.6206



77.4043, 77.3890, 105.4657



17.4328, 18.2371, 22.8513



10.8238, 6.5571, 50.1298



1.1431, 0.8168, 4.9107

Inverse Universe

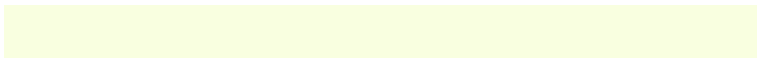
The Inverse Universe completely reimagines the original color for something new.



82.6050, 80.4561, 88.2704



79.9725, 76.3505, 83.8184



88.2107, 97.0050, 84.5973



18.2263, 18.0738, 19.8090



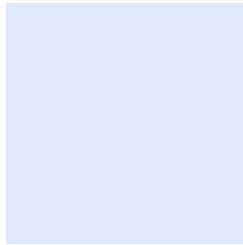
22.2515, 11.3899, 4.7090



2.2116, 1.1270, 0.6956

Previews

White Background



This preview shows how the XYZ color 77.9294, 81.3451, 106.2016 looks on a white background.

Color Contrast Check

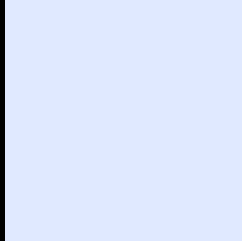
Large Text (above 18pt) WCAG AA × Fail

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 77.9294, 81.3451, 106.2016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

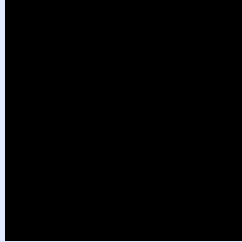
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9294, 81.3451, 106.2016

Background



This preview shows how black text looks on a background with the XYZ color 77.9294, 81.3451, 106.2016.



This preview shows how white text looks on a background with the XYZ color 77.9294, 81.3451,

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

77.9294, 81.3451, 106.2016

Protanopia

79.4203, 81.2965, 105.2718

Deuteranopia

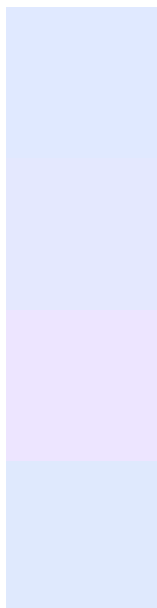
82.8273, 81.3913, 105.9524



Tritanopia

77.1410, 80.9941, 103.6631

Trichromacy



Original Color

77.9294, 81.3451, 106.2016

Protanomaly

78.7409, 81.3630, 105.3205

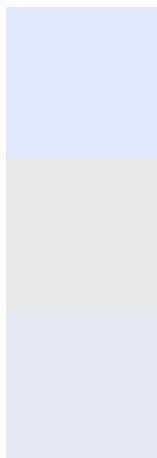
Deuteranomaly

80.9944, 81.2631, 106.0242

Tritanomaly

77.3000, 81.0577, 104.5001

Monochromacy



Original Color

77.9294, 81.3451, 106.2016

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.6492, 81.4517, 94.8483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9294, 81.3451, 106.2016 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, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.9294, 81.3451, 106.2016 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, 233, 255) }
```


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

```
.border{ border-color:rgb(224, 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(224, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9294, 81.3451, 106.2016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 233, 255) }
```

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

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