

Converting Colors

XYZ(77.8619, 78.3568,
104.2760)

Have a look what the booklet for
XYZ(77.8619, 78.3568, 104.2760)
contains.

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Color

**XYZ(77.8810, 78.4735,
103.9706)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E2FD
RGB	231, 226, 253
RGB Percent	91%, 89%, 99%
CMY	0.0941, 0.1137, 0.0078
CMYK	0.09, 0.11, 0.00, 0.01
HSL	251°, 87%, 94%
HSV	251°, 11%, 99%
XYZ	77.8810, 78.4735, 103.9706
YIQ	230.5730, -5.6870, 9.4570

Conversions

Conversions Part 2

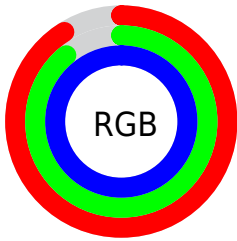
Format	Color
R _Y B	231, 226, 253
Decimal	15196925
CIE Lab	91.00, 6.69, -12.47
CIE LCh	91, 14.153, 298.219
Yxy	78.4735, 0.2992, 0.3014
Android (android.graphics.Color)	4293387005 (0xFFE7E2FD)
YUV	230.5730, 11.0565, 0.3745
Hunter-Lab	88.5853, 1.9066, -7.5777

Details

The XYZ color **77.8810, 78.4735, 103.9706** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.5669, 95.7000, 85.8120**, and the grayscale version is **75.5639, 79.4991, 86.5745**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2059, 42.2253, 58.1504** is the 20% darker color. If you saturate the color by 10%, you get **65.2359, 62.4861, 101.5524**, and if you desaturate by 10%, it is **92.3297, 96.9017, 106.7673**.

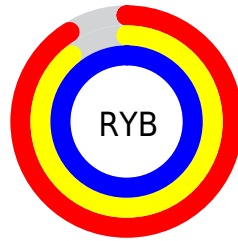
Distribution



Red (91%)

Green (89%)

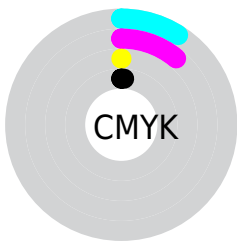
Blue (99%)



Red (91%)

Yellow (89%)

Blue (99%)

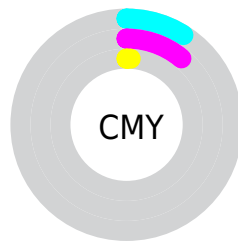


Cyan (9%)

Magenta (11%)

Yellow (0%)

Black (1%)



Cyan (9%)

Magenta (11%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8810, 78.4735, 103.9706 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 77.8810, 78.4735, 103.9706 by changing the saturation by 10% instead.

77.8810, 78.4735,
103.9706

77.8810, 78.4735,
103.9706

476.6086,
489.7734, 594.2042

58.2787, 58.4630,
78.9854

129.3486,
131.2174, 168.7024

42.2769, 42.1810,
58.3625

161.9446,
164.7196, 209.2860

29.5102, 29.2431,
41.6835

199.6025,
203.4878, 255.9062

19.6133, 19.2648,
28.5299

242.6877,
247.9065, 308.9814

12.2209, 11.8617,
18.4829

291.5656,
298.3600, 368.9303

6.9676, 6.6496,
11.1243

346.6015,

3.4880, 3.2439,

355.2327, 436.1714

6.0353

408.1607,
418.9091, 511.1232

■ 1.4168, 1.2604,
2.7974

■ 0.2681, 0.1102,
0.9921

■ 77.8810, 78.4735,
103.9706

■ 77.8810, 78.4735,
103.9706

■ 65.2359, 62.4861,
101.5524

■ 92.3297, 96.9017,
106.7673

■ 54.3160, 48.8270,
99.4915

94.7298, 99.8719,
107.2141

■ 45.0475, 37.3898,
97.7724

■ 37.3482, 28.0555,
96.3765

■ 31.1291, 20.6942,
95.2834

■ 26.2917, 15.1612,
94.4704

■ 22.7250, 11.2915,
93.9114

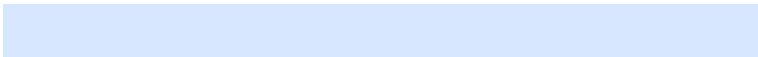
■ 20.2995, 8.8895,
93.5756

■ 18.8943, 7.6922,
93.4186

Harmonies

Analogous

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



74.3735, 78.4735, 106.6466



77.8810, 78.4735, 103.9706



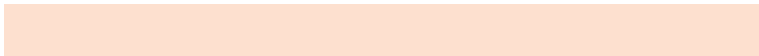
80.5775, 78.4735, 96.2258

Triad

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



77.8810, 78.4735, 103.9706



78.2620, 78.4735, 69.7934



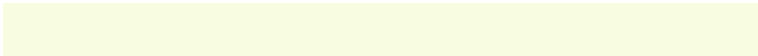
67.9316, 78.4735, 84.8347

Complementary

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



77.8810, 78.4735, 103.9706



87.5669, 95.7000, 85.8120

Split Complementary

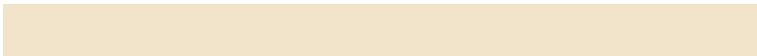
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9004, 78.4735, 75.4998



77.8810, 78.4735, 103.9706



74.8003, 78.4735, 67.2567

Square

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



77.8810, 78.4735, 103.9706



80.8024, 78.4735, 76.4785



71.3866, 78.4735, 69.2609



68.6982, 78.4735, 95.0847

Rectangle

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



77.8810, 78.4735, 103.9706



81.5128, 78.4735, 89.5226



71.3866, 78.4735, 69.2609



68.0645, 78.4735, 81.4918

Sweetspot

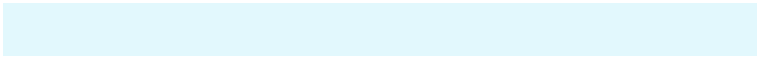
The Sweet Spot groups the original color and five complimentary colors.



77.8833, 78.4768, 103.9723



90.4015, 94.0526, 107.9970



82.6790, 90.4284, 106.0265



19.0899, 19.7993, 23.0654



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.



77.8833, 78.4768, 103.9723



76.1219, 75.8746, 105.2409



82.3931, 80.8017, 104.1834



17.3166, 17.5394, 22.7227



10.1383, 4.1370, 49.6988



1.0671, 0.4441, 4.8427

Inverse Universe

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



84.6503, 82.0561, 100.1875



84.3991, 80.2540, 100.5537



82.9678, 93.3291, 85.5968



18.6399, 18.2393, 21.9871



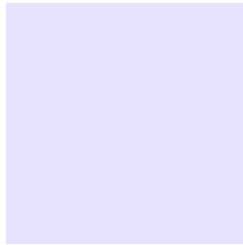
27.5369, 13.5040, 32.5413



2.7168, 1.3291, 3.3563

Previews

White Background



This preview shows how the XYZ color 77.8810, 78.4735, 103.9706 looks on a white background.

Color Contrast Check

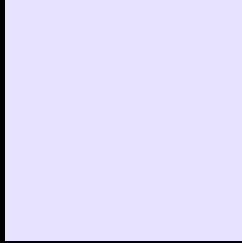
Large Text (above 18pt) WCAG AA × Fail

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 77.8810, 78.4735, 103.9706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

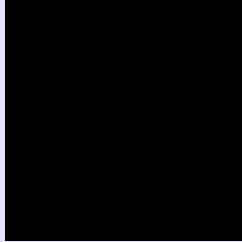
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8810, 78.4735, 103.9706

Background



This preview shows how black text looks on a background with the XYZ color 77.8810, 78.4735, 103.9706.



This preview shows how white text looks on a background with the XYZ color 77.8810, 78.4735,

103.9706.

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

77.8810, 78.4735, 103.9706

Protanopia

76.9968, 78.8113, 104.9199

Deuteranopia

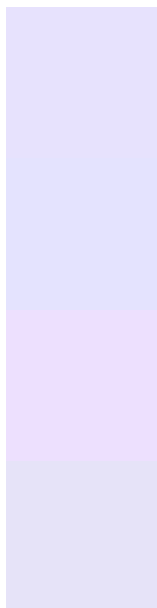
80.2122, 78.4564, 104.6819



Tritanopia

76.5836, 78.3537, 97.4736

Trichromacy



Original Color

77.8810, 78.4735, 103.9706

Protanomaly

77.3534, 78.5879, 104.8580

Deuteranomaly

79.4701, 78.4716, 104.7239

Tritanomaly

77.0455, 78.5385, 99.9056

Monochromacy



Original Color

77.8810, 78.4735, 103.9706

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.5543, 79.2595, 92.9251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8810, 78.4735, 103.9706 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(231, 226, 253)` looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 253)  
}
```

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(231, 226, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 253) }
```

Border

The CSS property to change the border of an element to XYZ 77.8810, 78.4735, 103.9706 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(231, 226, 253) }
```


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

```
.border{ border-color:rgb(231, 226, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 226, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 226, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 226, 253); box-shadow:4px 4px 4px 4px rgb(231, 226, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8810, 78.4735, 103.9706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 226, 253) }
```

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

```
.background{ background-color: rgb(231,  
226, 253) }
```

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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