

Converting Colors

XYZ(80.1105, 77.9308,
105.4276)

Have a look what the booklet for
XYZ(80.1105, 77.9308, 105.4276)
contains.

XYZ(80.1065, 77.9878, 105.4388)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.1065, 77.9878,
105.4388)**

Conversions

Conversions Part 1

Format	Color
Hex	F0DEFF
RGB	240, 222, 255
RGB Percent	94%, 87%, 100%
CMY	0.0588, 0.1294, 0.0000
CMYK	0.06, 0.13, 0.00, 0.00
HSL	273°, 100%, 94%
HSV	273°, 13%, 100%
XYZ	80.1065, 77.9878, 105.4388
YIQ	231.1440, 0.1350, 14.0790

Conversions

Conversions Part 2

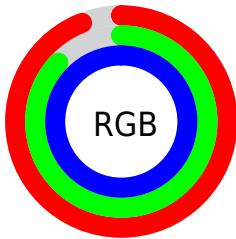
Format	Color
R_{YB}	240, 222, 255
Decimal	15785727
CIE _{Lab}	90.77, 12.06, -13.77
CIE _{LCh}	91, 18.309, 311.204
Yxy	77.9878, 0.3040, 0.2959
Android (android.graphics.Color)	4293975807 (0xFFFF0DEFF)
YUV	231.1440, 11.7610, 7.7667
Hunter-Lab	88.3107, 7.3733, -8.9720

Details

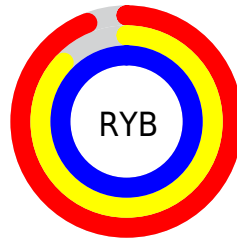
The XYZ color **80.1065, 77.9878, 105.4388** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.8716, 94.7993, 82.9886**, and the grayscale version is **75.9799, 79.9367, 87.0511**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7789, 41.9050, 59.2072** is the 20% darker color. If you saturate the color by 10%, you get **70.0296, 63.4895, 103.1715**, and if you desaturate by 10%, it is **91.4632, 94.6706, 108.0604**.

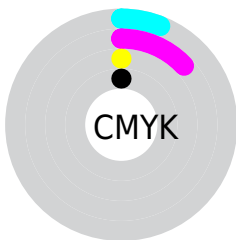
Distribution



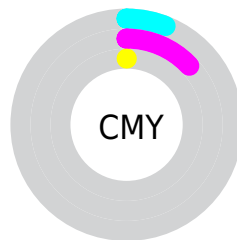
- Red (94%)
- Green (87%)
- Blue (100%)



- Red (94%)
- Yellow (87%)
- Blue (100%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1065, 77.9878, 105.4388 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 80.1065, 77.9878, 105.4388 by changing the saturation by 10% instead.


 80.1065, 77.9878,
105.4388

 80.1065, 77.9878,
105.4388


484.0227,
488.1254, 598.8877

 60.1148, 58.0640,
80.2083


132.4652,
130.5329, 170.7283

 43.7610, 41.8601,
59.3626


165.5629,
163.9230, 211.6244

 30.6797, 28.9917,
42.4832


203.7599,
202.5706, 258.5794

 20.5057, 19.0746,
29.1514

247.4216,
246.8601, 312.0119

 12.8736, 11.7242,
18.9488

296.9134,
297.1760, 372.3405

 7.4179, 6.5562,
11.4569

352.6006,

 3.7735, 3.1861,

353.9025, 439.9836

6.2570

414.8486,
417.4242, 515.3599

■ 1.5748, 1.2297,
2.9307

■ 0.3759, 0.0857,
1.0593

■ 80.1065, 77.9878,
105.4388

■ 80.1065, 77.9878,
105.4388

■ 70.0296, 63.4895,
103.1715

■ 91.4632, 94.6706,
108.0604

■ 61.1757, 51.0720,
101.2413

95.0500, 100.0000,
108.9000

■ 53.4928, 40.6373,
99.6321

■ 46.9224, 32.0757,
98.3259

■ 41.4002, 25.2663,
97.3026

■ 36.8547, 20.0738,
96.5399

■ 33.2036, 16.3418,
96.0120

■ 30.3481, 13.8811,
95.6875

■ 28.7123, 12.7166,
95.5490

Harmonies

Analogous

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



75.8572, 77.9878, 112.2712



80.1065, 77.9878, 105.4388



82.8189, 77.9878, 93.3430

Triad

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



80.1065, 77.9878, 105.4388



77.0121, 77.9878, 63.1186



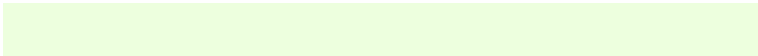
65.7816, 77.9878, 89.9337

Complementary

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



80.1065, 77.9878, 105.4388



83.8716, 94.7993, 82.9886

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.



66.0620, 77.9878, 77.0111



80.1065, 77.9878, 105.4388



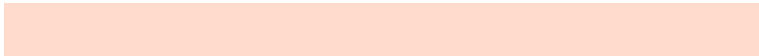
72.4195, 77.9878, 62.4088

Square

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



80.1065, 77.9878, 105.4388



80.9820, 77.9878, 69.2957



68.4490, 77.9878, 67.2447



67.6666, 77.9878, 102.7219

Rectangle

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



80.1065, 77.9878, 105.4388



83.3258, 77.9878, 84.3844



68.4490, 77.9878, 67.2447



65.6278, 77.9878, 85.4488

Sweetspot

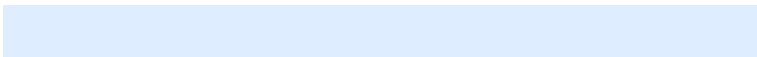
The Sweet Spot groups the original color and five complimentary colors.



80.1086, 77.9910, 105.4393



90.1967, 92.7951, 107.7651



78.5768, 83.5524, 106.5935



19.1155, 19.5806, 23.0219



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.



80.1086, 77.9910, 105.4393



76.8903, 73.3252, 104.7084



85.2361, 80.6547, 104.7576



17.9500, 17.8659, 22.7524



15.1773, 6.7346, 49.9346



1.6037, 0.7207, 4.8678

Inverse Universe

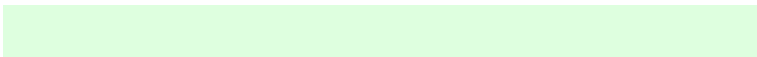
The Inverse Universe completely reimagines the original color for something new.



82.6492, 79.6200, 91.1353



80.0089, 75.3231, 87.2224



79.2193, 92.3838, 83.5430



18.3527, 18.1244, 20.4745



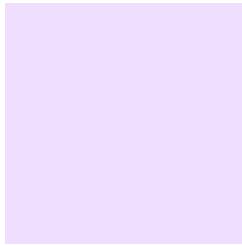
23.2664, 11.7958, 10.0531



2.3196, 1.1702, 1.2646

Previews

White Background



This preview shows how the XYZ color 80.1065, 77.9878, 105.4388 looks on a white background.

Color Contrast Check

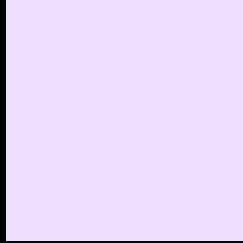
Large Text (above 18pt) WCAG AA × Fail

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 80.1065, 77.9878, 105.4388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

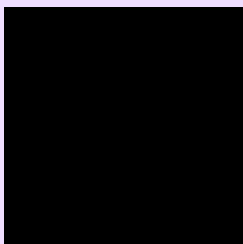
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1065, 77.9878, 105.4388

Background



This preview shows how black text looks on a background with the XYZ color 80.1065, 77.9878, 105.4388.



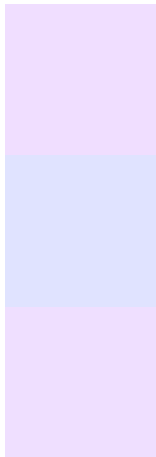
This preview shows how white text looks on a background with the XYZ color 80.1065, 77.9878,

105.4388.

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

80.1065, 77.9878, 105.4388

Protanopia

76.2596, 78.0055, 105.6450

Deuteranopia

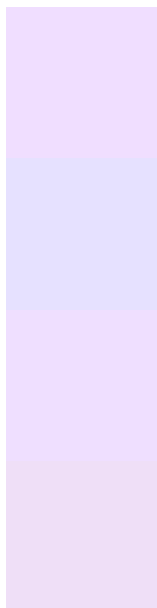
80.0343, 78.3461, 105.5118



Tritanopia

77.9426, 77.8993, 94.9324

Trichromacy



Original Color

80.1065, 77.9878, 105.4388

Protanomaly

77.6083, 77.8934, 105.5523

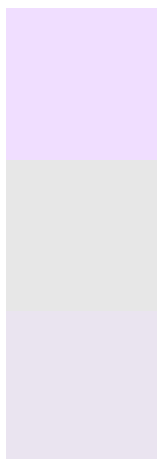
Deuteranomaly

80.0343, 78.3461, 105.5118

Tritanomaly

78.7728, 77.8415, 98.8688

Monochromacy



Original Color

80.1065, 77.9878, 105.4388

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

77.4033, 79.2705, 93.6592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1065, 77.9878, 105.4388 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(240, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 222, 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(240, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.1065, 77.9878, 105.4388 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(240, 222, 255) }
```


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

```
.border{ border-color:rgb(240, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1065, 77.9878, 105.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 222, 255) }
```

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

```
.background{ background-color: rgb(240,  
222, 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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