

Converting Colors

XYZ(80.9096, 80.3823,
105.8587)

Have a look what the booklet for
XYZ(80.9096, 80.3823, 105.8587)
contains.

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Color

**XYZ(80.7790, 80.3353,
105.8565)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE3FF
RGB	238, 227, 255
RGB Percent	93%, 89%, 100%
CMY	0.0667, 0.1098, 0.0000
CMYK	0.07, 0.11, 0.00, 0.00
HSL	264°, 100%, 95%
HSV	264°, 11%, 100%
XYZ	80.7790, 80.3353, 105.8565
YIQ	233.4810, -2.4320, 11.0400

Conversions

Conversions Part 2

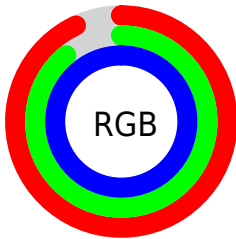
Format	Color
R _Y B	238, 227, 255
Decimal	15655935
CIE Lab	91.84, 8.81, -12.21
CIE LCh	92, 15.052, 305.807
Yxy	80.3353, 0.3026, 0.3009
Android (android.graphics.Color)	4293846015 (0xFFEEE3FF)
YUV	233.4810, 10.6089, 3.9632
Hunter-Lab	89.6300, 4.0207, -7.2828

Details

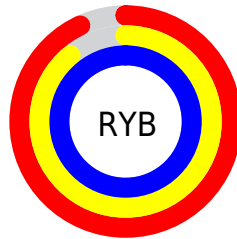
The XYZ color **80.7790, 80.3353, 105.8565** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.9352, 96.3000, 86.6827**, and the grayscale version is **77.7403, 81.7888, 89.0680**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2370, 43.5273, 59.4962** is the 20% darker color. If you saturate the color by 10%, you get **69.3380, 64.8410, 103.4688**, and if you desaturate by 10%, it is **93.7043, 98.1325, 108.6105**.

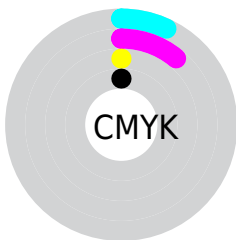
Distribution



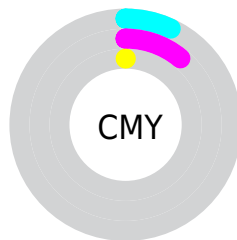
- Red (93%)
- Green (89%)
- Blue (100%)



- Red (93%)
- Yellow (89%)
- Blue (100%)



- Cyan (7%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7790, 80.3353, 105.8565 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 80.7790, 80.3353, 105.8565 by changing the saturation by 10% instead.

80.7790, 80.3353,
105.8565

80.7790, 80.3353,
105.8565

486.2509,
496.0621, 600.2167

60.6703, 59.9943,
80.5564

133.4052,
133.8370, 171.3042

44.2106, 43.4140,
59.6475

166.6534,
167.7666, 212.2888

31.0348, 30.2101,
42.7111

205.0121,
206.9944, 259.3388

20.7773, 19.9981,
29.3288

248.8466,
251.9050, 312.8726

13.0728, 12.3937,
19.0820

298.5225,
302.8826, 373.3087

7.5561, 7.0124,
11.5521

354.4049,

3.8616, 3.4698,

360.3118, 441.0657

6.3207

416.8592,
424.5768, 516.5622

■ 1.6241, 1.3817,
2.9691

■ 0.4081, 0.2032,
1.0789

■ 80.7790, 80.3353,
105.8565

■ 80.7790, 80.3353,
105.8565

■ 69.3380, 64.8410,
103.4688

■ 93.7043, 98.1325,
108.6105

■ 59.3185, 51.5433,
101.4302

■ 95.0500, 100.0000,
108.9000

■ 50.6622, 40.3425,
99.7244

■ 43.3044, 31.1268,
98.3334

■ 37.1745, 23.7739,
97.2372

■ 32.1943, 18.1474,
96.4137

■ 28.2754, 14.0913,
95.8373

■ 25.3137, 11.4196,
95.4778

■ 23.3241, 9.9389,
95.2968

Harmonies

Analogous

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



77.1093, 80.3353, 110.3550



80.7790, 80.3353, 105.8565



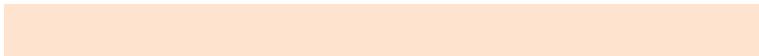
83.3246, 80.3353, 96.4697

Triad

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



80.7790, 80.3353, 105.8565



79.4367, 80.3353, 69.4887



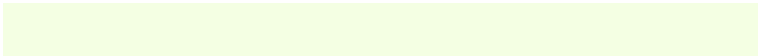
69.2116, 80.3353, 89.6387

Complementary

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



80.7790, 80.3353, 105.8565



86.9352, 96.3000, 86.6827

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.



69.7877, 80.3353, 79.0510



80.7790, 80.3353, 105.8565



75.6082, 80.3353, 67.9926

Square

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



80.7790, 80.3353, 105.8565



82.5316, 80.3353, 75.6216



72.0980, 80.3353, 71.3489



70.4970, 80.3353, 100.4988

Rectangle

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



80.7790, 80.3353, 105.8565



83.9959, 80.3353, 89.0339



72.0980, 80.3353, 71.3489



69.1945, 80.3353, 85.9274

Sweetspot

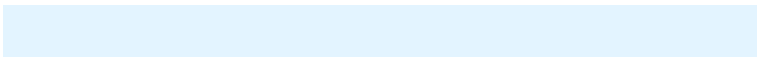
The Sweet Spot groups the original color and five complimentary colors.



80.7811, 80.3386, 105.8570



90.9696, 94.3454, 108.0236



82.1619, 88.4150, 107.3431



19.2428, 19.8781, 23.0726



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.



80.7811, 80.3386, 105.8570



78.3501, 77.0233, 105.3452



85.5692, 82.8069, 106.0811



17.6780, 17.7257, 22.7396



12.3430, 5.2735, 49.8019



1.3203, 0.5745, 4.8546

Inverse Universe

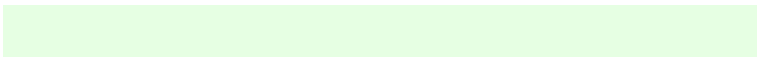
The Inverse Universe completely reimagines the original color for something new.



85.0402, 82.7330, 97.0775



83.3452, 79.8324, 95.0037



82.3462, 93.9343, 86.4680



18.4727, 18.1724, 21.1065



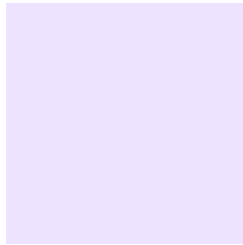
24.7084, 12.3727, 17.6468



2.4595, 1.2262, 2.0012

Previews

White Background



This preview shows how the XYZ color 80.7790, 80.3353, 105.8565 looks on a white background.

Color Contrast Check

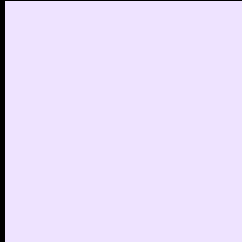
Large Text (above 18pt) WCAG AA × Fail

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 80.7790, 80.3353, 105.8565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

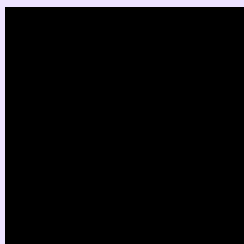
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.7790, 80.3353, 105.8565

Background



This preview shows how black text looks on a background with the XYZ color 80.7790, 80.3353, 105.8565.



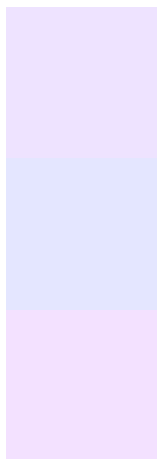
This preview shows how white text looks on a background with the XYZ color 80.7790, 80.3353,

105.8565.

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

80.7790, 80.3353, 105.8565

Protanopia

78.3417, 80.3076, 105.9796

Deuteranopia

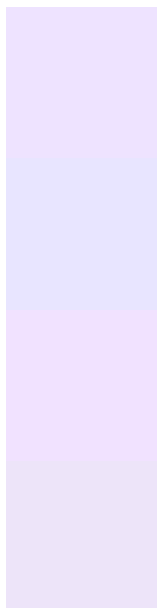
81.9374, 80.1251, 105.7549



Tritanopia

79.3030, 80.1452, 98.4786

Trichromacy



Original Color

80.7790, 80.3353, 105.8565

Protanomaly

79.3480, 80.4144, 105.9472

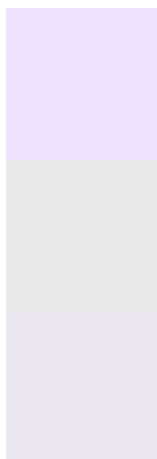
Deuteranomaly

81.5220, 80.3135, 105.8131

Tritanomaly

79.7673, 80.3309, 100.9238

Monochromacy



Original Color

80.7790, 80.3353, 105.8565

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

78.7140, 81.1649, 94.7368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7790, 80.3353, 105.8565 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(238, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 227, 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(238, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.7790, 80.3353, 105.8565 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(238, 227, 255) }
```


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

```
.border{ border-color:rgb(238, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7790, 80.3353, 105.8565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 227, 255) }
```

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

```
.background{ background-color: rgb(238,  
227, 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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