

Converting Colors

XYZ(81.1515, 82.6175,
106.2774)

Have a look what the booklet for
XYZ(81.1515, 82.6175, 106.2774)
contains.

XYZ(81.1676, 82.5954, 106.2723)	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(81.1676, 82.5954,
106.2723)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE8FF
RGB	235, 232, 255
RGB Percent	92%, 91%, 100%
CMY	0.0784, 0.0902, 0.0000
CMYK	0.08, 0.09, 0.00, 0.00
HSL	248°, 100%, 95%
HSV	248°, 9%, 100%
XYZ	81.1676, 82.5954, 106.2723
YIQ	235.5190, -5.5950, 7.7890

Conversions

Conversions Part 2

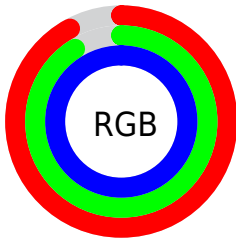
Format	Color
R_{YB}	235, 232, 255
Decimal	15460607
CIE Lab	92.84, 5.25, -10.74
CIE LCh	93, 11.951, 296.036
Yxy	82.5954, 0.3006, 0.3059
Android (android.graphics.Color)	4293650687 (0xFFE8E8FF)
YUV	235.5190, 9.6041, -0.4552
Hunter-Lab	90.8820, 0.3765, -5.7130

Details

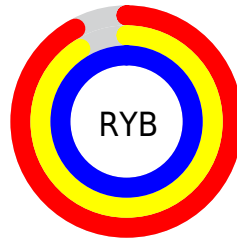
The XYZ color **81.1676, 82.5954, 106.2723** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.4723, 98.0426, 90.5036**, and the grayscale version is **79.2952, 83.4248, 90.8496**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3088, 44.7116, 59.7210** is the 20% darker color. If you saturate the color by 10%, you get **67.6331, 65.7264, 103.7296**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

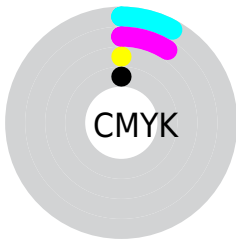
Distribution



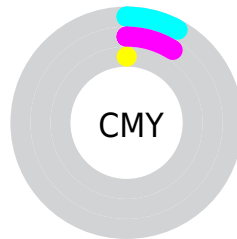
- Red (92%)
- Green (91%)
- Blue (100%)



- Red (92%)
- Yellow (91%)
- Blue (100%)



- Cyan (8%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1676, 82.5954, 106.2723 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 81.1676, 82.5954, 106.2723 by changing the saturation by 10% instead.

81.1676, 82.5954,
106.2723

81.1676, 82.5954,
106.2723

487.5359,
503.6371, 601.5381

60.9914, 61.8564,
80.9031

133.9480,
137.0086, 171.8772

44.4707, 44.9167,
59.9312

167.2829,
171.4517, 212.9499

31.2403, 31.3918,
42.9383

205.7348,
211.2316, 260.0942

20.9346, 20.8974,
29.5056

249.6690,
256.7327, 313.7286

13.1884, 13.0490,
19.2148

299.4508,
308.3394, 374.2716

7.6363, 7.4623,
11.6472

355.4457,

3.9129, 3.7529,

366.4361, 442.1418

6.3843

418.0189,
431.4072, 517.7578

■ 1.6530, 1.5363,
3.0076

■ 0.4266, 0.3141,
1.0985

■ 81.1676, 82.5954,
106.2723

■ 81.1676, 82.5954,
106.2723

■ 67.6331, 65.7264,
103.7296

95.0500, 100.0000,
108.9000

■ 55.9726, 51.3008,
101.5597

■ 46.1048, 39.2080,
99.7457

■ 37.9400, 29.3248,
98.2683

■ 31.3807, 21.5166,
97.1069

■ 26.3193, 15.6341,
96.2383

■ 22.6347, 11.5078,
95.6360

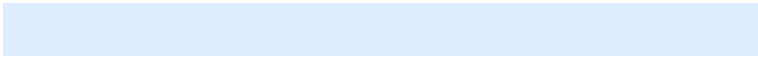
■ 20.1865, 8.9380,
95.2690

■ 18.7844, 7.6390,
95.0922

Harmonies

Analogous

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



78.0904, 82.5954, 108.1868



81.1676, 82.5954, 106.2723



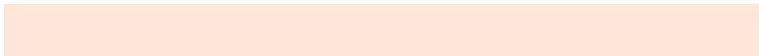
83.5866, 82.5954, 99.8778

Triad

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



81.1676, 82.5954, 106.2723



81.9044, 82.5954, 76.4202



72.6697, 82.5954, 88.7497

Complementary

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



81.1676, 82.5954, 106.2723



90.4723, 98.0426, 90.5036

Split Complementary

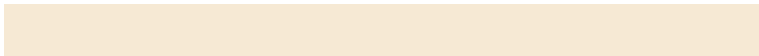
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.6326, 82.5954, 80.6700



81.1676, 82.5954, 106.2723



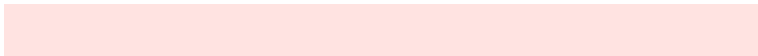
78.9199, 82.5954, 73.8562

Square

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



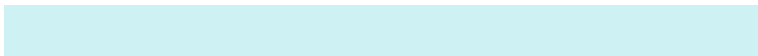
81.1676, 82.5954, 106.2723



84.0198, 82.5954, 82.5988



75.9002, 82.5954, 75.3595



73.2359, 82.5954, 97.6876

Rectangle

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



81.1676, 82.5954, 106.2723



84.4722, 82.5954, 94.1429



75.9002, 82.5954, 75.3595



72.8246, 82.5954, 85.8492

Sweetspot

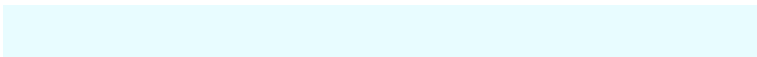
The Sweet Spot groups the original color and five complimentary colors.



81.1698, 82.5988, 106.2728



90.2524, 93.9757, 107.9901



86.2406, 94.1970, 108.2442



19.0498, 19.7786, 23.0636



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.



81.1698, 82.5988, 106.2728



78.3332, 79.0542, 105.7381



84.9792, 84.5626, 106.4511



17.2230, 17.4912, 22.7183



9.8306, 3.9783, 49.6843



1.0223, 0.4209, 4.8406

Inverse Universe

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



87.6693, 86.0047, 104.0781



86.1624, 83.1576, 103.0615



86.5405, 96.0156, 90.3196



18.6848, 18.2572, 22.2232



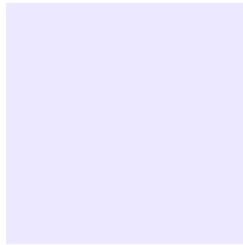
28.4616, 13.8739, 37.4109



2.7984, 1.3617, 3.7855

Previews

White Background



This preview shows how the XYZ color 81.1676, 82.5954, 106.2723 looks on a white background.

Color Contrast Check

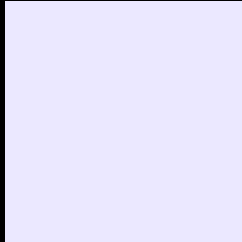
Large Text (above 18pt) WCAG AA × Fail

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 81.1676, 82.5954, 106.2723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

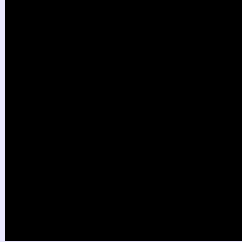
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.1676, 82.5954, 106.2723

Background



This preview shows how black text looks on a background with the XYZ color 81.1676, 82.5954, 106.2723.



This preview shows how white text looks on a background with the XYZ color 81.1676, 82.5954,

106.2723.

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

81.1676, 82.5954, 106.2723

Protanopia

80.4676, 82.6536, 106.3204

Deuteranopia

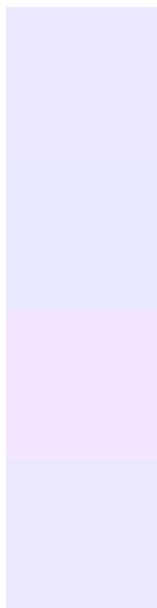
84.1512, 82.4810, 106.0929



Tritanopia

80.4832, 82.7353, 102.9944

Trichromacy



Original Color

81.1676, 82.5954, 106.2723

Protanomaly

80.7932, 82.8215, 106.3356

Deuteranomaly

83.0315, 82.3133, 106.1196

Tritanomaly

80.6413, 82.7985, 103.8269

Monochromacy



Original Color

81.1676, 82.5954, 106.2723

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.4781, 83.7206, 96.7121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1676, 82.5954, 106.2723 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(235, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 232, 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(235, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.1676, 82.5954, 106.2723 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(235, 232, 255) }
```


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

```
.border{ border-color:rgb(235, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1676, 82.5954, 106.2723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 232, 255) }
```

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

```
.background{ background-color: rgb(235,  
232, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor