

Converting Colors

XYZ(80.4945, 84.4594,
102.5023)

Have a look what the booklet for
XYZ(80.4945, 84.4594, 102.5023)
contains.

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Color

**XYZ(80.4945, 84.4594,
102.5023)**

Conversions

Conversions Part 1

Format	Color
Hex	E7EDFA
RGB	231, 237, 250
RGB Percent	91%, 93%, 98%
CMY	0.0941, 0.0706, 0.0196
CMYK	0.08, 0.05, 0.00, 0.02
HSL	221°, 66%, 94%
HSV	221°, 8%, 98%
XYZ	80.4945, 84.4594, 102.5023
YIQ	236.6880, -7.7490, 2.7710

Conversions

Conversions Part 2

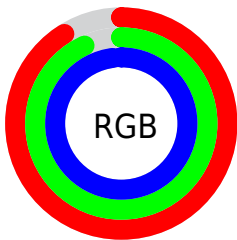
Format	Color
R_{YB}	231, 236, 250
Decimal	15199738
CIE _{Lab}	93.65, 0.43, -6.96
CIE _{LCh}	94, 6.976, 273.519
Y _{xy}	84.4594, 0.3010, 0.3158
Android (android.graphics.Color)	4293389818 (0xFFE7EDFA)
YUV	236.6880, 6.5628, -4.9884
Hunter-Lab	91.9018, -4.4844, -1.7976

Details

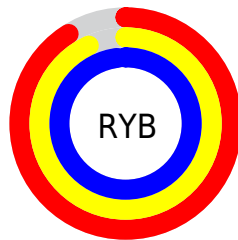
The XYZ color **80.4945, 84.4594, 102.5023** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.1992, 90.7943, 88.5846**, and the grayscale version is **80.2139, 84.3912, 91.9021**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9407, 46.0567, 57.6129** is the 20% darker color. If you saturate the color by 10%, you get **68.2778, 71.1606, 100.5806**, and if you desaturate by 10%, it is **93.9711, 99.1133, 104.6218**.

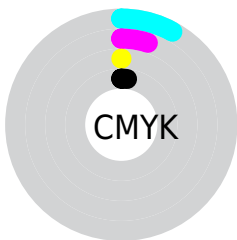
Distribution



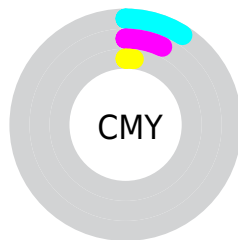
- Red (91%)
- Green (93%)
- Blue (98%)



- Red (91%)
- Yellow (93%)
- Blue (98%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4945, 84.4594, 102.5023 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 80.4945, 84.4594, 102.5023 by changing the saturation by 10% instead.

80.4945, 84.4594,
102.5023

80.4945, 84.4594,
102.5023

485.3090,
509.8375, 589.5009

60.4352, 63.3948,
77.7635

133.0076,
139.6176, 166.6735

44.0203, 46.1607,
57.3644

166.1922,
174.4800, 206.9429

30.8845, 32.3726,
40.8866

204.4826,
214.7105, 253.2262

20.6623, 21.6463,
27.9114

248.2441,
260.6934, 305.9420

12.9884, 13.5972,
18.0204

297.8421,
312.8132, 365.5089

7.4975, 7.8411,
10.7951

353.6421,

3.8242, 3.9934,

371.4542, 432.3453

5.8168

416.0092,
437.0009, 506.8698

■ 1.6032, 1.6699,
2.6670

■ 0.3945, 0.4040,
0.9268

■ 80.4945, 84.4594,
102.5023

■ 80.4945, 84.4594,
102.5023

■ 68.2778, 71.1606,
100.5806

■ 93.9711, 99.1133,
104.6218

■ 57.6216, 59.3454,
98.8617

■ 94.2556, 99.6822,
104.7166

■ 48.4626, 48.9631,
97.3404

■ 40.7299, 39.9558,
96.0094

■ 34.3470, 32.2614,
94.8606

■ 29.2296, 25.8127,
93.8856

■ 25.2828, 20.5356,
93.0750

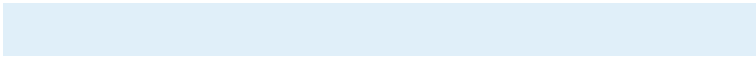
■ 22.3970, 16.3461,
92.4185

■ 20.4315, 13.1425,
91.9037

Harmonies

Analogous

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



78.7014, 84.4594, 101.3788



80.4945, 84.4594, 102.5023



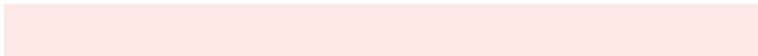
82.2552, 84.4594, 100.7134

Triad

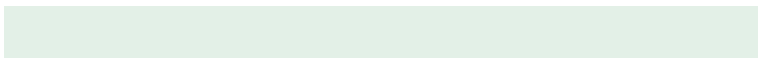
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4945, 84.4594, 102.5023



83.2764, 84.4594, 86.4538



77.1361, 84.4594, 87.4966

Complementary

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



80.4945, 84.4594, 102.5023



86.1992, 90.7943, 88.5846

Split Complementary

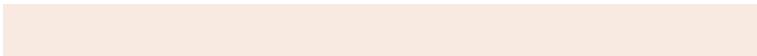
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3291, 84.4594, 83.7327



80.4945, 84.4594, 102.5023



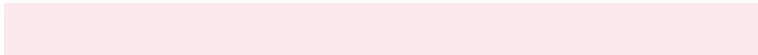
81.8717, 84.4594, 83.1471

Square

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



80.4945, 84.4594, 102.5023



83.8768, 84.4594, 91.3385



80.0581, 84.4594, 82.1701



76.7800, 84.4594, 92.5882

Rectangle

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



80.4945, 84.4594, 102.5023



83.1684, 84.4594, 98.1487



80.0581, 84.4594, 82.1701



77.4517, 84.4594, 86.0407

Sweetspot

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



80.4970, 84.4630, 102.5042



92.0957, 96.8399, 108.4457



83.4686, 91.8922, 98.9138



19.7432, 20.7609, 23.2166



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.



80.4970, 84.4630, 102.5042



82.2998, 86.2939, 106.9265



79.9233, 81.6299, 101.9876



16.7306, 17.5380, 21.8887



10.7490, 6.8536, 48.7299



1.0863, 0.8163, 4.5435

Inverse Universe

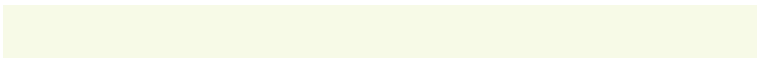
The Inverse Universe completely reimagines the original color for something new.



83.2882, 83.5920, 91.8700



85.7353, 85.2512, 93.8315



86.7983, 93.8286, 89.1388



17.4705, 17.3156, 19.0676



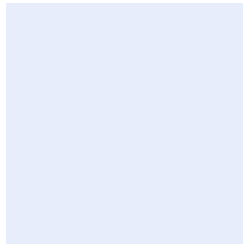
21.7176, 11.1028, 5.2214



2.0573, 1.0466, 0.7249

Previews

White Background



This preview shows how the XYZ color 80.4945, 84.4594, 102.5023 looks on a white background.

Color Contrast Check

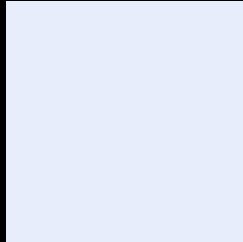
Large Text (above 18pt) WCAG AA × Fail

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 80.4945, 84.4594, 102.5023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

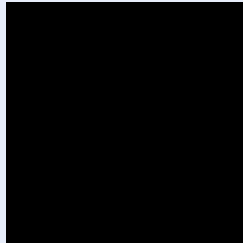
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.4945, 84.4594, 102.5023

Background



This preview shows how black text looks on a background with the XYZ color 80.4945, 84.4594, 102.5023.



This preview shows how white text looks on a background with the XYZ color 80.4945, 84.4594,

102.5023.

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

80.4945, 84.4594, 102.5023

Protanopia

81.7323, 84.2607, 101.5787

Deuteranopia

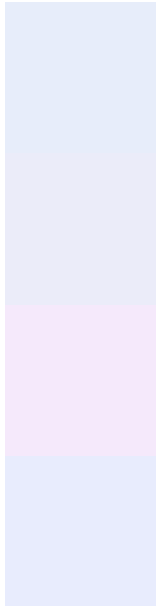
86.2174, 84.4413, 103.0214



Tritanopia

81.3242, 84.3667, 106.6059

Trichromacy



Original Color

80.4945, 84.4594, 102.5023

Protanomaly

81.3553, 84.4926, 101.6434

Deuteranomaly

84.2077, 84.6553, 103.1687

Tritanomaly

81.0038, 84.2386, 104.9188

Monochromacy



Original Color

80.4945, 84.4594, 102.5023

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5721, 84.6413, 96.0952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4945, 84.4594, 102.5023 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, 237, 250)` looks like.

```
.text, #text, p{  
    color:rgb(231, 237, 250)  
}
```

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, 237, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 250) }
```

Border

The CSS property to change the border of an element to XYZ 80.4945, 84.4594, 102.5023 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, 237, 250) }
```


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

```
.border{ border-color:rgb(231, 237, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 237, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 250);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4945, 84.4594, 102.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 237, 250) }
```

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

```
.background{ background-color: rgb(231,  
237, 250) }
```

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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