

Converting Colors

XYZ(82.3989, 85.0417,
103.7155)

Have a look what the booklet for
XYZ(82.3989, 85.0417, 103.7155)
contains.

XYZ(82.3331, 84.9605, 103.3264)	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(82.3331, 84.9605,
103.3264)**

Conversions

Conversions Part 1

Format	Color
Hex	EDECFB
RGB	237, 236, 251
RGB Percent	93%, 93%, 98%
CMY	0.0706, 0.0745, 0.0157
CMYK	0.06, 0.06, 0.00, 0.02
HSL	244°, 65%, 95%
HSV	244°, 6%, 98%
XYZ	82.3331, 84.9605, 103.3264
YIQ	238.0090, -4.2190, 4.8770

Conversions

Conversions Part 2

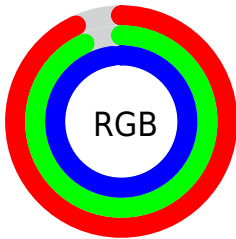
Format	Color
RYP	237, 236, 251
Decimal	15592699
CIELab	93.87, 3.07, -7.11
CIElCh	94, 7.748, 293.342
Yxy	84.9605, 0.3042, 0.3139
Android (android.graphics.Color)	4293782779 (0xFFEDECFB)
YUV	238.0090, 6.4046, -0.8849
Hunter-Lab	92.1740, -1.8620, -1.9418

Details

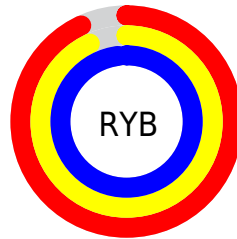
The XYZ color **82.3331, 84.9605, 103.3264** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.0651, 95.3768, 93.0765**, and the grayscale version is **81.2315, 85.4618, 93.0679**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2276, 46.4064, 58.2033** is the 20% darker color. If you saturate the color by 10%, you get **68.2896, 67.7381, 100.7436**, and if you desaturate by 10%, it is **94.4128, 99.7451, 105.5448**.

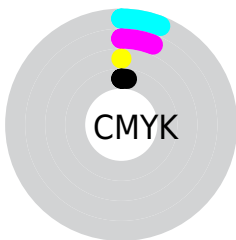
Distribution



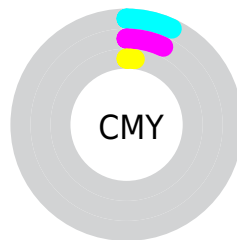
- Red (93%)
- Green (93%)
- Blue (98%)



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



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3331, 84.9605, 103.3264 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 82.3331, 84.9605, 103.3264 by changing the saturation by 10% instead.

82.3331, 84.9605,
103.3264

82.3331, 84.9605,
103.3264

491.3788,
511.4974, 592.1431

61.9552, 63.8087,
78.4491

135.5744,
140.3180, 167.8126

45.2520, 46.4958,
57.9244

169.1685,
175.2925, 208.2585

31.8580, 32.6372,
41.3335

207.8987,
215.6434, 254.7312

21.4081, 21.8487,
28.2581

252.1304,
261.7551, 307.6490

13.5368, 13.7458,
18.2796

302.2289,
314.0119, 367.4306

7.8788, 7.9441,
10.9794

358.5596,

4.0686, 4.0592,

372.7983, 434.4944

5.9390

421.4878,
438.4987, 509.2591

■ 1.7410, 1.7067,
2.7398

■ 0.4817, 0.4280,
0.9634

■ 82.3331, 84.9605,
103.3264

■ 82.3331, 84.9605,
103.3264

■ 68.2896, 67.7381,
100.7436

94.4128, 99.7451,
105.5448

■ 56.2001, 52.9657,
98.5294

■ 45.9801, 40.5352,
96.6688

■ 37.5362, 30.3263,
95.1433

■ 30.7668, 22.2078,
93.9330

■ 25.5600, 16.0349,
93.0160

■ 21.7903, 11.6443,
92.3672

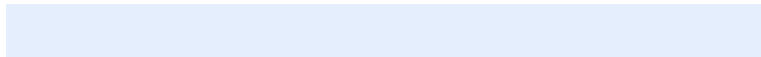
■ 19.3128, 8.8458,
91.9576

■ 17.9513, 7.4055,
91.7514

Harmonies

Analogous

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



80.2937, 84.9605, 104.2469



82.3331, 84.9605, 103.3264



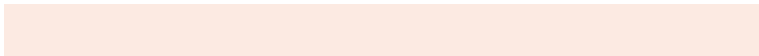
83.9740, 84.9605, 99.4517

Triad

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



82.3331, 84.9605, 103.3264



83.1420, 84.9605, 83.6966



76.8791, 84.9605, 91.1977

Complementary

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



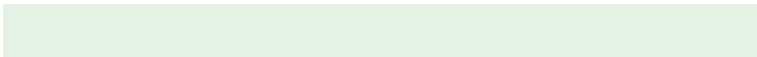
82.3331, 84.9605, 103.3264



89.0651, 95.3768, 93.0765

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.



77.6142, 84.9605, 85.8944



82.3331, 84.9605, 103.3264



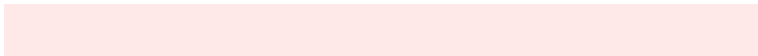
81.2128, 84.9605, 81.6844

Square

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



82.3331, 84.9605, 103.3264



84.4466, 84.9605, 88.0823



79.1921, 84.9605, 82.4715



77.1676, 84.9605, 97.0786

Rectangle

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



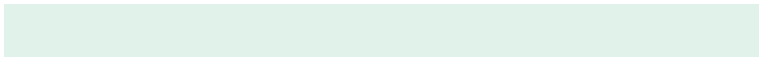
82.3331, 84.9605, 103.3264



84.6096, 84.9605, 95.7998



79.1921, 84.9605, 82.4715



77.0143, 84.9605, 89.2916

Sweetspot

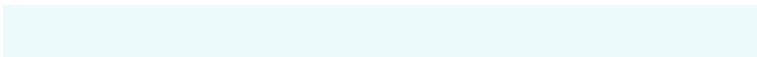
The Sweet Spot groups the original color and five complimentary colors.



82.3356, 84.9641, 103.3283



91.7145, 95.8972, 108.2839



86.2707, 93.3268, 104.7350



19.6656, 20.5689, 23.1837



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.



82.3356, 84.9641, 103.3283



83.7504, 86.1106, 106.8146



84.8061, 86.2377, 103.4439



16.9758, 17.4173, 21.8524



9.3120, 3.7432, 48.2053



0.8986, 0.3653, 4.4663

Inverse Universe

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



87.0375, 87.4061, 102.7306



89.4273, 89.0591, 106.0868



86.5160, 94.0627, 92.9572



18.2318, 18.0697, 21.6906



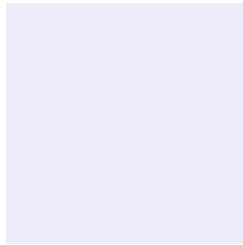
28.7646, 13.9216, 42.3304



2.6787, 1.2952, 3.9973

Previews

White Background



This preview shows how the XYZ color 82.3331, 84.9605, 103.3264 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 82.3331, 84.9605, 103.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

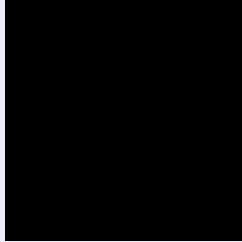
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.3331, 84.9605, 103.3264

Background



This preview shows how black text looks on a background with the XYZ color 82.3331, 84.9605, 103.3264.



This preview shows how white text looks on a background with the XYZ color 82.3331, 84.9605,

103.3264.

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

82.3331, 84.9605, 103.3264

Protanopia

82.6679, 85.1331, 103.3420

Deuteranopia

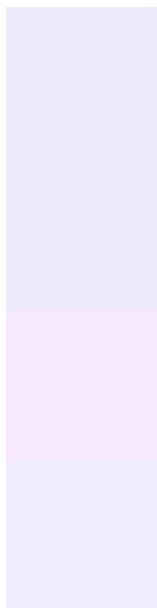
86.7406, 84.6927, 103.8711



Tritanopia

83.1447, 85.3238, 105.8529

Trichromacy



Original Color

82.3331, 84.9605, 103.3264

Protanomaly

82.6679, 85.1331, 103.3420

Deuteranomaly

85.1387, 84.6980, 103.9565

Tritanomaly

82.9850, 85.2599, 105.0115

Monochromacy



Original Color

82.3331, 84.9605, 103.3264

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.7217, 85.2166, 96.9353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3331, 84.9605, 103.3264 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(237, 236, 251)` looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 251)  
}
```

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(237, 236, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 251) }
```

Border

The CSS property to change the border of an element to XYZ 82.3331, 84.9605, 103.3264 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(237, 236, 251) }
```


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

```
.border{ border-color:rgb(237, 236, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 236, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 236, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 236, 251);  
box-shadow:4px 4px 4px 4px rgb(237, 236,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3331, 84.9605, 103.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 236, 251) }
```

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

```
.background{ background-color: rgb(237,  
236, 251) }
```

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