

Converting Colors

XYZ(83.6611, 82.6817,
103.3307)

Have a look what the booklet for
XYZ(83.6611, 82.6817, 103.3307)
contains.

XYZ(83.5960, 82.6597, 103.6444)	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(83.5960, 82.6597,
103.6444)**

Conversions

Conversions Part 1

Format	Color
Hex	F6E5FC
RGB	246, 229, 252
RGB Percent	96%, 90%, 99%
CMY	0.0353, 0.1019, 0.0118
CMYK	0.02, 0.09, 0.00, 0.01
HSL	284°, 79%, 94%
HSV	284°, 9%, 99%
XYZ	83.5960, 82.6597, 103.6444
YIQ	236.7050, 2.7490, 10.7570

Conversions

Conversions Part 2

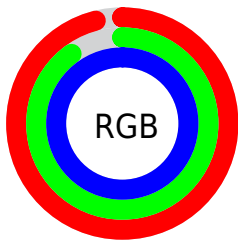
Format	Color
R_{YB}	246, 229, 252
Decimal	16180732
CIE _{Lab}	92.87, 9.81, -9.04
CIE _{LCh}	93, 13.340, 317.332
Yxy	82.6597, 0.3097, 0.3063
Android (android.graphics.Color)	4294370812 (0xFFFF6E5FC)
YUV	236.7050, 7.5404, 8.1517
Hunter-Lab	90.9174, 5.0204, -3.9475

Details

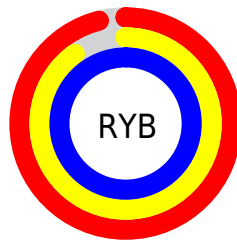
The XYZ color **83.5960, 82.6597, 103.6444** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.2173, 92.9423, 87.6865**, and the grayscale version is **80.2139, 84.3913, 91.9021**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2216, 45.1594, 57.9103** is the 20% darker color. If you saturate the color by 10%, you get **74.8584, 68.5468, 101.3821**, and if you desaturate by 10%, it is **93.4321, 98.8460, 106.2515**.

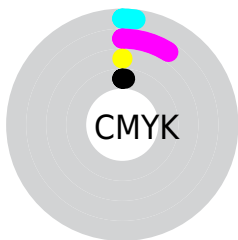
Distribution



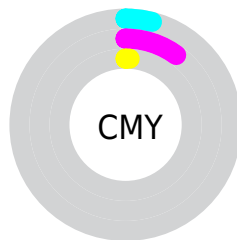
- Red (96%)
- Green (90%)
- Blue (99%)



- Red (96%)
- Yellow (90%)
- Blue (99%)



- Cyan (2%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (4%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.5960, 82.6597, 103.6444 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 83.5960, 82.6597, 103.6444 by changing the saturation by 10% instead.

 83.5960, 82.6597,
103.6444

 83.5960, 82.6597,
103.6444


495.5246,
503.8517, 593.1610

 63.0005, 61.9095,
78.7138


137.3341,
137.0987, 168.2519

 46.1003, 44.9595,
58.1406


171.2074,
171.5563, 208.7658

 32.5299, 31.4256,
41.5063


210.2374,
211.3518, 255.3114

 21.9241, 20.9231,
28.3922

254.7894,
256.8696, 308.3070

 13.9174, 13.0678,
18.3799

305.2288,
308.4941, 368.1712

 8.1446, 7.4753,
11.0508

361.9208,

 4.2402, 3.7611,

366.6097, 435.3226

5.9864

425.2310,
431.6007, 510.1797

■ 1.8389, 1.5408,
2.7682

■ 0.5409, 0.3172,
0.9775

■ 83.5960, 82.6597,
103.6444

■ 83.5960, 82.6597,
103.6444

■ 74.8584, 68.5468,
101.3821

■ 93.4321, 98.8460,
106.2515

■ 67.1679, 56.4093,
99.4447

■ 94.5709, 99.8084,
106.3772

■ 60.4795, 46.1572,
97.8183

■ 54.7419, 37.6894,
96.4863

■ 49.8991, 30.8950,
95.4301

■ 45.8886, 25.6504,
94.6291

■ 42.6394, 21.8149,
94.0601

■ 40.0672, 19.2213,
93.6950

■ 38.0461, 17.6192,
93.4923

Harmonies

Analogous

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



80.5786, 82.6597, 109.5912



83.5960, 82.6597, 103.6444



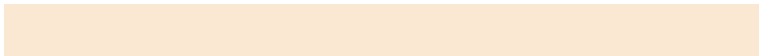
85.2858, 82.6597, 94.2765

Triad

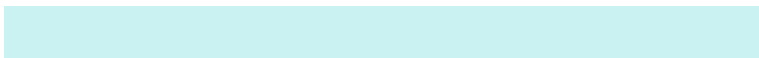
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5960, 82.6597, 103.6444



80.0441, 82.6597, 72.5483



72.3414, 82.6597, 95.8409

Complementary

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



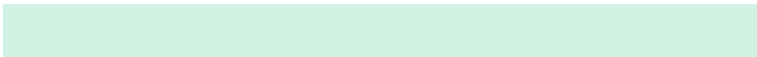
83.5960, 82.6597, 103.6444



83.2173, 92.9423, 87.6865

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.



72.2079, 82.6597, 85.8594



83.5960, 82.6597, 103.6444



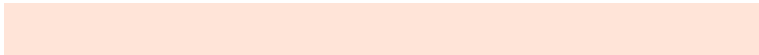
76.5863, 82.6597, 72.8990

Square

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



83.5960, 82.6597, 103.6444



83.1948, 82.6597, 76.6171



73.7411, 82.6597, 77.6132



74.1113, 82.6597, 104.8623

Rectangle

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



83.5960, 82.6597, 103.6444



85.4003, 82.6597, 87.5756



73.7411, 82.6597, 77.6132



72.1056, 82.6597, 92.4736

Sweetspot

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



83.5984, 82.6632, 103.6462



91.9274, 94.8392, 108.0684



79.6336, 83.1830, 103.9555



19.5014, 20.0114, 23.0847



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.



83.5984, 82.6632, 103.6462



84.1040, 82.0291, 106.0082



84.8986, 83.4304, 99.3303



17.5252, 17.2834, 21.7976



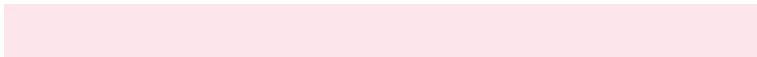
19.8783, 9.1903, 48.6998



1.9401, 0.9023, 4.5151

Inverse Universe

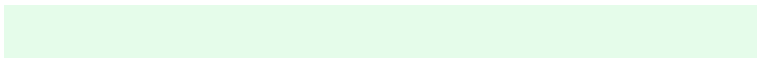
The Inverse Universe completely reimagines the original color for something new.



83.1625, 82.7359, 90.1879



83.5853, 82.1268, 89.4909



82.0305, 92.2426, 91.6030



17.4305, 17.2996, 18.8567



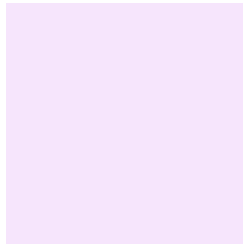
21.4712, 11.0042, 3.9240



2.0301, 1.0358, 0.5819

Previews

White Background



This preview shows how the XYZ color 83.5960, 82.6597, 103.6444 looks on a white background.

Color Contrast Check

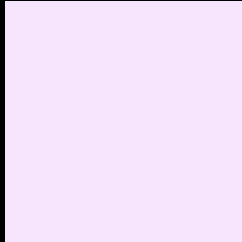
Large Text (above 18pt) WCAG AA × Fail

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 83.5960, 82.6597, 103.6444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

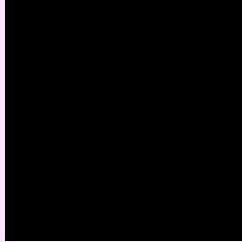
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

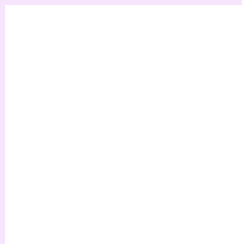
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5960, 82.6597, 103.6444

Background



This preview shows how black text looks on a background with the XYZ color 83.5960, 82.6597, 103.6444.



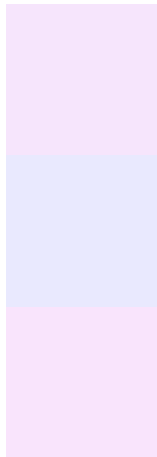
This preview shows how white text looks on a background with the XYZ color 83.5960, 82.6597,

103.6444.

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

83.5960, 82.6597, 103.6444

Protanopia

80.6326, 82.7572, 105.4899

Deuteranopia

84.3810, 82.6548, 103.6021



Tritanopia

82.8963, 82.7834, 100.4166

Trichromacy



Original Color

83.5960, 82.6597, 103.6444

Protanomaly

81.8461, 82.9822, 104.6319

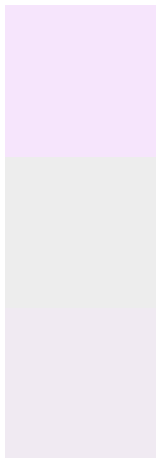
Deuteranomaly

84.0255, 82.4715, 103.5854

Tritanomaly

83.0519, 82.8457, 101.2360

Monochromacy



Original Color

83.5960, 82.6597, 103.6444

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.3850, 83.7817, 95.8864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5960, 82.6597, 103.6444 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(246, 229, 252)` looks like.

```
.text, #text, p{  
    color:rgb(246, 229, 252)  
}
```

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(246, 229, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 229, 252) }
```

Border

The CSS property to change the border of an element to XYZ 83.5960, 82.6597, 103.6444 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(246, 229, 252) }
```


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

```
.border{ border-color:rgb(246, 229, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 229, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 229, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 229, 252);  
box-shadow:4px 4px 4px 4px rgb(246, 229,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5960, 82.6597, 103.6444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 229, 252) }
```

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

```
.background{ background-color: rgb(246,  
229, 252) }
```

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