

# Converting Colors

XYZ(82.9755, 81.1584,  
100.5343)

Have a look what the booklet for  
XYZ(82.9755, 81.1584, 100.5343)  
contains.

<b>XYZ(83.0066, 81.1887, 100.9186)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(83.0066, 81.1887,  
100.9186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E2F9
RGB	248, 226, 249
RGB Percent	97%, 89%, 98%
CMY	0.0274, 0.1137, 0.0235
CMYK	0.00, 0.09, 0.00, 0.02
HSL	297°, 66%, 93%
HSV	297°, 9%, 98%
XYZ	83.0066, 81.1887, 100.9186
YIQ	235.2000, 5.7290, 11.8170

# Conversions

## Conversions Part 2

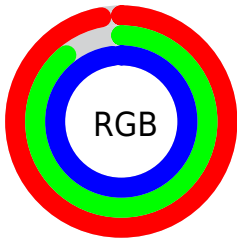
Format	Color
R <sub>Y</sub> B	248, 226, 249
Decimal	16311033
CIE Lab	92.22, 11.48, -8.42
CIE LCh	92, 14.238, 323.739
Yxy	81.1887, 0.3131, 0.3062
Android (android.graphics.Color)	4294501113 (0xFF8E2F9)
YUV	235.2000, 6.8034, 11.2256
Hunter-Lab	90.1048, 6.7550, -3.3323

# Details

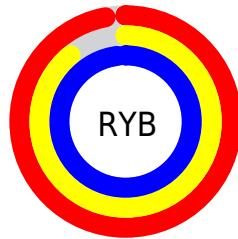
The XYZ color **83.0066, 81.1887, 100.9186** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.2847, 89.5754, 85.0666**, and the grayscale version is **79.0667, 83.1843, 90.5877**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9268, 44.1825, 56.5596** is the 20% darker color. If you saturate the color by 10%, you get **76.3395, 68.4216, 98.8069**, and if you desaturate by 10%, it is **90.6639, 95.9304, 103.3617**.

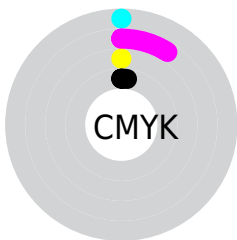
# Distribution



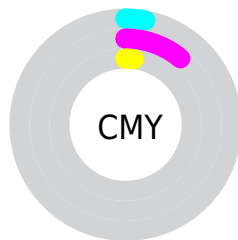
- Red (97%)
- Green (89%)
- Blue (98%)



- Red (97%)
- Yellow (89%)
- Blue (98%)



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




- Cyan (3%)
- Magenta (11%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0066, 81.1887, 100.9186 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 83.0066, 81.1887, 100.9186 by changing the saturation by 10% instead.




 83.0066, 81.1887,  
100.9186

 83.0066, 81.1887,  
100.9186


493.5921,  
498.9299, 584.4056

 62.5125, 60.6970,  
76.4468


136.5132,  
135.0357, 164.4818

 45.7041, 43.9807,  
56.2901


170.2564,  
169.1598, 204.4103

 32.2160, 30.6553,  
40.0300


209.1467,  
208.5968, 250.3281

 21.6829, 20.3365,  
27.2480

253.5495,  
253.7312, 302.6538

 13.7394, 12.6399,  
17.5255

303.8300,  
304.9473, 361.8058

 8.0201, 7.1811,  
10.4439

360.3538,

 4.1597, 3.5756,

362.6295, 428.2028

5.5848

423.4860,  
427.1622, 502.2632

■ 1.7929, 1.4391,  
2.5297

■ 0.5134, 0.2453,  
0.8558

■ 83.0066, 81.1887,  
100.9186

■ 83.0066, 81.1887,  
100.9186

■ 76.3395, 68.4216,  
98.8069

■ 90.6639, 95.9304,  
103.3617

■ 70.6133, 57.5341,  
97.0072

■ 92.3433, 98.7145,  
103.8105

■ 65.7851, 48.4394,  
95.5062

■ 92.7328, 98.9153,  
103.8288

■ 61.8059, 41.0394,  
94.2876

■ 93.1245, 99.1172,  
103.8471

■ 58.6220, 35.2268,  
93.3335

■ 93.5185, 99.3203,  
103.8655

■ 56.1737, 30.8821,  
92.6239

■ 93.9147, 99.5246,  
103.8841

■ 54.3927, 27.8686,  
92.1361

■ 94.0991, 99.6196,  
103.8927

■ 53.1980, 26.0245,  
91.8431

■ 52.4660, 25.1026,  
91.7038

# Harmonies

## Analogous

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



80.0472, 81.1887, 108.2498



83.0066, 81.1887, 100.9186



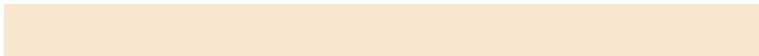
84.4068, 81.1887, 90.6260

# Triad

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



83.0066, 81.1887, 100.9186



77.9406, 81.1887, 69.7714



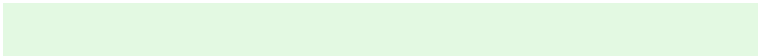
70.8781, 81.1887, 96.8006

# Complementary

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



83.0066, 81.1887, 100.9186



79.2847, 89.5754, 85.0666

# 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.



70.3542, 81.1887, 86.2121



83.0066, 81.1887, 100.9186



74.3575, 81.1887, 71.1396

# Square

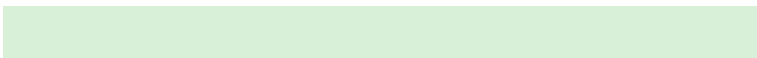
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



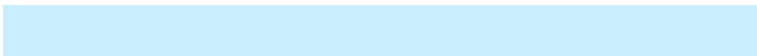
83.0066, 81.1887, 100.9186



81.4228, 81.1887, 73.0661



71.6087, 81.1887, 76.9632



73.0630, 81.1887, 105.7434



# Rectangle

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



83.0066, 81.1887, 100.9186



84.2370, 81.1887, 83.6808



71.6087, 81.1887, 76.9632



70.5048, 81.1887, 93.2948

# Sweetspot

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



83.0090, 81.1922, 100.9204



92.5356, 95.1528, 108.0969



75.9766, 78.0326, 100.6811



19.6661, 20.0963, 23.0924



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.



83.0090, 81.1922, 100.9204



86.2981, 83.1602, 106.1109



81.7942, 80.7474, 92.6679



17.9141, 17.4838, 21.8158



28.0905, 13.4239, 49.0841

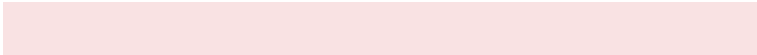


2.6241, 1.2549, 4.5471

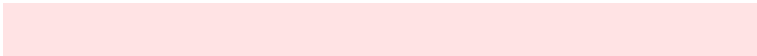


# Inverse Universe

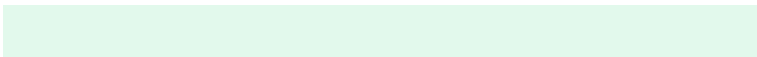
The Inverse Universe completely reimagines the original color for something new.



80.1313, 80.0822, 83.9112



82.7226, 81.7817, 84.9479



80.4338, 89.9987, 92.7588



17.2752, 17.2374, 18.0389



20.9569, 10.7985, 1.2154

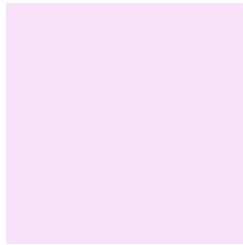


1.9514, 1.0043, 0.1674



# Previews

## White Background



This preview shows how the XYZ color 83.0066, 81.1887, 100.9186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

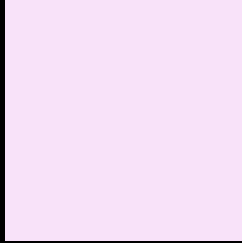
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.0066, 81.1887, 100.9186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

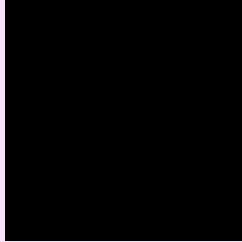
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.0066, 81.1887, 100.9186

## Background



This preview shows how black text looks on a background with the XYZ color 83.0066, 81.1887, 100.9186.



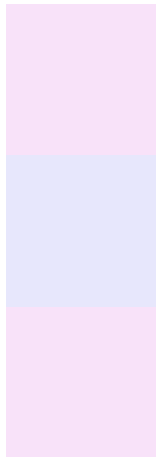
This preview shows how white text looks on a background with the XYZ color 83.0066, 81.1887,

100.9186.

# 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

83.0066, 81.1887, 100.9186

### Protanopia

79.1016, 81.1690, 103.5935

### Deuteranopia

83.0066, 81.1887, 100.9186



## Tritanopia

82.3083, 81.3049, 97.7415

# Trichromacy



## Original Color

83.0066, 81.1887, 100.9186

## Protanomaly

80.3570, 81.0082, 102.6677

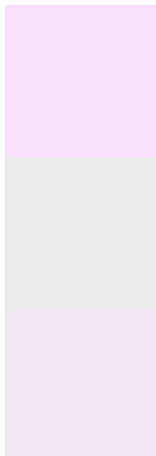
## Deuteranomaly

83.0066, 81.1887, 100.9186

## Tritanomaly

82.4614, 81.3661, 98.5478

# Monochromacy



## Original Color

83.0066, 81.1887, 100.9186

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

80.5200, 82.5298, 94.1241

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.0066, 81.1887, 100.9186 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(248, 226, 249) looks like.

```
.text, #text, p{  
    color:rgb(248, 226, 249)  
}
```

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(248, 226, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 226, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 83.0066, 81.1887, 100.9186 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(248, 226, 249) }
```



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

```
.border{ border-color:rgb(248, 226, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 226, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 226, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 226, 249);  
box-shadow:4px 4px 4px 4px rgb(248, 226,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.0066, 81.1887, 100.9186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 226, 249) }
```

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

```
.background{ background-color: rgb(248,  
226, 249) }
```

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