

# Converting Colors

XYZ(82.9145, 82.4587,  
106.1538)

Have a look what the booklet for  
XYZ(82.9145, 82.4587, 106.1538)  
contains.

<b>XYZ(82.9648, 82.6909, 106.1960)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(82.9648, 82.6909,  
106.1960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E6FF
RGB	242, 230, 255
RGB Percent	95%, 90%, 100%
CMY	0.0510, 0.0980, 0.0000
CMYK	0.05, 0.10, 0.00, 0.00
HSL	269°, 100%, 95%
HSV	269°, 10%, 100%
XYZ	82.9648, 82.6909, 106.1960
YIQ	236.4380, -0.8730, 10.3190

# Conversions

## Conversions Part 2

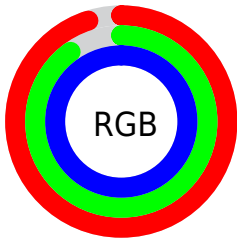
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 230, 255
Decimal	15918847
CIE Lab	92.88, 8.54, -10.62
CIE LCh	93, 13.627, 308.810
Yxy	82.6909, 0.3052, 0.3042
Android (android.graphics.Color)	4294108927 (0xFFFF2E6FF)
YUV	236.4380, 9.1511, 4.8779
Hunter-Lab	90.9345, 3.7204, -5.5864

# Details

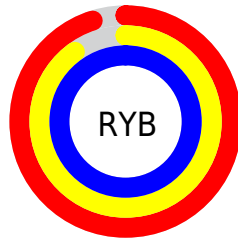
The XYZ color **82.9648, 82.6909, 106.1960** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.0071, 96.2888, 88.8668**, and the grayscale version is **79.9989, 84.1651, 91.6558**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7727, 45.1763, 59.7335** is the 20% darker color. If you saturate the color by 10%, you get **71.9938, 67.2619, 103.7961**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

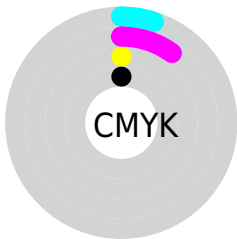
# Distribution



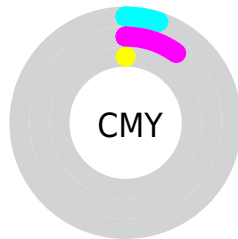
- Red (95%)
- Green (90%)
- Blue (100%)



- Red (95%)
- Yellow (90%)
- Blue (100%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9648, 82.6909, 106.1960 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 82.9648, 82.6909, 106.1960 by changing the saturation by 10% instead.



82.9648, 82.6909,  
106.1960

82.9648, 82.6909,  
106.1960

493.4549,  
503.9558, 601.2957

62.4779, 61.9352,  
80.8394

136.4549,  
137.1425, 171.7720

45.6760, 44.9803,  
59.8792

170.1889,  
171.6071, 212.8286

32.1938, 31.4419,  
42.8966

209.0693,  
211.4102, 259.9556

21.6658, 20.9356,  
29.4732

253.4615,  
256.9361, 313.5715

13.7268, 13.0769,  
19.1904

303.7308,  
308.5692, 374.0950

8.0113, 7.4815,  
11.6297

360.2425,

4.1541, 3.7650,

366.6939, 441.9445

6.3726

423.3621,  
431.6946, 517.5385

■ 1.7897, 1.5430,  
3.0005

■ 0.5114, 0.3187,  
1.0949

■ 82.9648, 82.6909,  
106.1960

■ 82.9648, 82.6909,  
106.1960

■ 71.9938, 67.2619,  
103.7961

95.0500, 100.0000,  
108.9000

■ 62.3367, 53.9823,  
101.7419

■ 53.9406, 42.7555,  
100.0174

■ 46.7458, 33.4733,  
98.6050

■ 40.6873, 26.0173,  
97.4851

■ 35.6934, 20.2557,  
96.6362

■ 31.6825, 16.0381,  
96.0336

■ 28.5590, 13.1861,  
95.6477

■ 26.1744, 11.4164,  
95.4318

# Harmonies

## Analogous

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



79.6485, 82.6909, 110.8362



82.9648, 82.6909, 106.1960



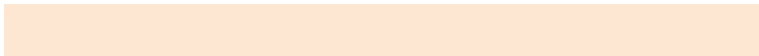
85.1532, 82.6909, 97.3114

# Triad

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



82.9648, 82.6909, 106.1960



81.0960, 82.6909, 72.9636



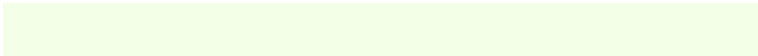
72.0217, 82.6909, 93.0730

# Complementary

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



82.9648, 82.6909, 106.1960



87.0071, 96.2888, 88.8668

# 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.



72.3829, 82.6909, 83.1332



82.9648, 82.6909, 106.1960



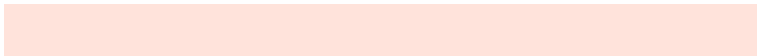
77.5513, 82.6909, 72.0165

# Square

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



82.9648, 82.6909, 106.1960



84.0519, 82.6909, 78.2978



74.3818, 82.6909, 75.6052



73.3800, 82.6909, 102.8931



# Rectangle

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



82.9648, 82.6909, 106.1960



85.6409, 82.6909, 90.4441



74.3818, 82.6909, 75.6052



71.9469, 82.6909, 89.6298

# Sweetspot

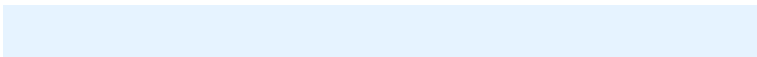
The Sweet Spot groups the original color and five complimentary colors.



82.9670, 82.6943, 106.1965



91.2094, 94.4691, 108.0348



82.8361, 88.3464, 107.2944



19.3074, 19.9114, 23.0756



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.



82.9670, 82.6943, 106.1965



80.4392, 79.1124, 105.6384



87.2825, 84.9191, 106.3985



17.8326, 17.8054, 22.7469



13.8245, 6.0373, 49.8713



1.4713, 0.6524, 4.8617

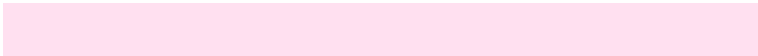


# Inverse Universe

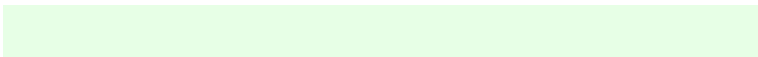
The Inverse Universe completely reimagines the original color for something new.



85.7166, 84.3280, 96.5561



83.7780, 81.0965, 93.9198



82.9467, 94.1956, 88.6768



18.4039, 18.1449, 20.7441



23.8228, 12.0184, 12.9835

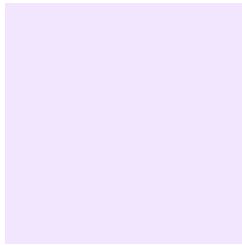


2.3748, 1.1923, 1.5550



# Previews

## White Background



This preview shows how the XYZ color 82.9648, 82.6909, 106.1960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

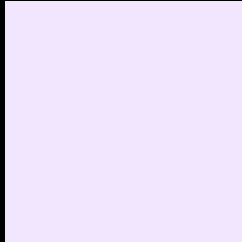
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.9648, 82.6909, 106.1960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

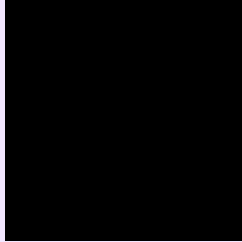
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.9648, 82.6909, 106.1960

## Background



This preview shows how black text looks on a background with the XYZ color 82.9648, 82.6909, 106.1960.



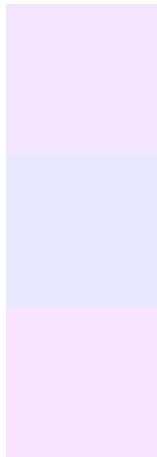
This preview shows how white text looks on a background with the XYZ color 82.9648, 82.6909,

106.1960.

# 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

82.9648, 82.6909, 106.1960

### Protanopia

80.4676, 82.6536, 106.3204

### Deuteranopia

84.5048, 82.6633, 106.1095



## Tritanopia

81.9504, 82.6922, 101.2645

# Trichromacy



## Original Color

82.9648, 82.6909, 106.1960

## Protanomaly

81.4987, 82.7661, 106.2878

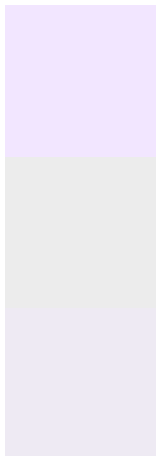
## Deuteranomaly

84.0753, 82.8515, 106.1684

## Tritanomaly

82.2641, 82.8176, 102.9164

# Monochromacy



## Original Color

82.9648, 82.6909, 106.1960

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.8604, 83.4938, 96.6481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.9648, 82.6909, 106.1960 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(242, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 230, 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(242, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 230, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.9648, 82.6909, 106.1960 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(242, 230, 255) }
```



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

```
.border{ border-color:rgb(242, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(242, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 230,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.9648, 82.6909, 106.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 230, 255) }
```

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

```
.background{ background-color: rgb(242,  
230, 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](#).

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