

# Converting Colors

XYZ(85.3234, 100.0000,  
63.3437)

Have a look what the booklet for  
XYZ(85.3234, 100.0000, 63.3437)  
contains.

<b>XYZ(82.7105, 94.6502, 62.6252)</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(82.7105, 94.6502,  
62.6252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFBE
RGB	245, 255, 190
RGB Percent	96%, 100%, 75%
CMY	0.0392, 0.0000, 0.2549
CMYK	0.04, 0.00, 0.25, 0.00
HSL	69°, 100%, 87%
HSV	69°, 25%, 100%
XYZ	82.7105, 94.6502, 62.6252
YIQ	244.6000, 14.9050, -22.3350

# Conversions

## Conversions Part 2

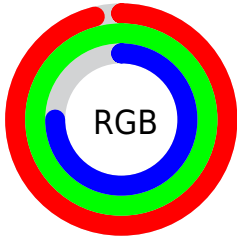
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 255, 200
Decimal	16121790
CIE <sub>Lab</sub>	97.89, -13.56, 30.04
CIE <sub>LCh</sub>	98, 32.961, 114.296
Yxy	94.6502, 0.3446, 0.3944
Android (android.graphics.Color)	4294311870 (0xFFFF5FFBE)
YUV	244.6000, -26.9178, 0.3508
Hunter-Lab	97.2883, -18.5013, 29.9364

# Details

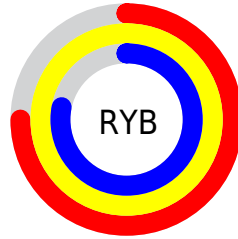
The XYZ color **82.7105, 94.6502, 62.6252** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.2838, 56.3275, 102.3027**, and the grayscale version is **86.6698, 91.1834, 99.2987**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **45.3771, 52.8571, 31.1034** is the 20% darker color. If you saturate the color by 10%, you get **78.8085, 92.9330, 49.1445**, and if you desaturate by 10%, it is **87.1301, 96.5779, 78.6781**.

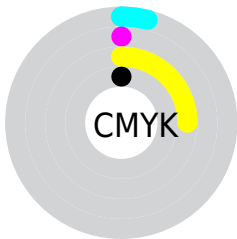
# Distribution



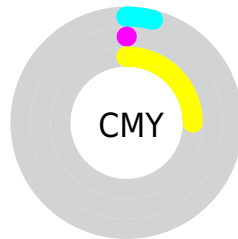
- Red (96%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (78%)



- Cyan (4%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7105, 94.6502, 62.6252 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 82.7105, 94.6502, 62.6252 by changing the saturation by 10% instead.



82.7105, 94.6502,  
62.6252

82.7105, 94.6502,  
62.6252

492.6197,  
543.0445, 452.2784

62.2675, 71.8439,  
45.0990

136.1006,  
153.7813, 110.2090

45.5053, 53.0311,  
31.1919

169.7783,  
190.8748, 141.1036

32.0586, 37.8276,  
20.4853

208.5983,  
233.4995, 177.2915

21.5620, 25.8489,  
12.5608

252.9259,  
282.0397, 219.1912

13.6502, 16.7107,  
6.9996

303.1265,  
336.8800, 267.2212

7.9579, 10.0284,  
3.3834

359.5654,

4.1196, 5.4178,

398.4046, 321.8000

1.2936

422.6080,  
466.9980, 383.3462

■ 1.7700, 2.4944,  
0.0565

■ 0.4995, 0.8738,  
0.0000

■ 82.7105, 94.6502,  
62.6252

■ 82.7105, 94.6502,  
62.6252

■ 78.8085, 92.9330,  
49.1445

■ 87.1301, 96.5779,  
78.6781

■ 75.3971, 91.4153,  
38.0981

■ 92.0897, 98.7249,  
97.4231

■ 72.4490, 90.0863,  
29.3414

95.0500, 100.0000,  
108.9000

■ 69.9333, 88.9335,  
22.7130

■ 67.8151, 87.9430,  
18.0305

■ 66.0539, 87.0985,  
15.0807

■ 64.5994, 86.3799,  
13.6003

■ 64.0111, 86.0840,  
13.2421

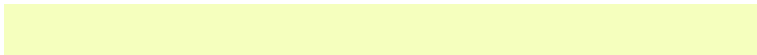
# Harmonies

## Analogous

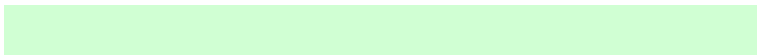
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7753, 94.6502, 59.5633



82.7105, 94.6502, 62.6252



76.0351, 94.6502, 75.6412

# Triad

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



82.7105, 94.6502, 62.6252



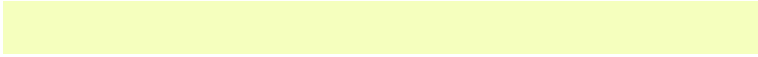
79.7959, 94.6502, 151.2052



109.2247, 94.6502, 108.3026

# Complementary

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



82.7105, 94.6502, 62.6252



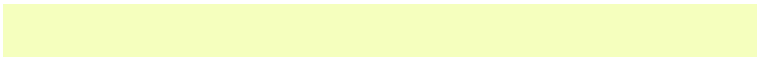
60.2838, 56.3275, 102.3027

# 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.



105.4938, 94.6502, 136.4085



82.7105, 94.6502, 62.6252



88.1731, 94.6502, 163.8027

# Square

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



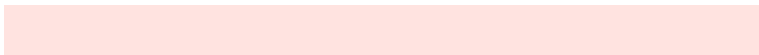
82.7105, 94.6502, 62.6252



74.4364, 94.6502, 125.9193



97.6258, 94.6502, 157.9635



107.5093, 94.6502, 83.1460

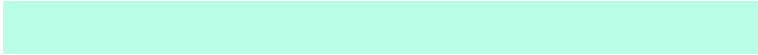


# Rectangle

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



82.7105, 94.6502, 62.6252



73.6211, 94.6502, 89.6397



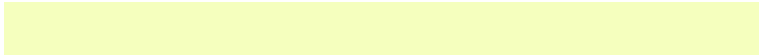
97.6258, 94.6502, 157.9635



108.5583, 94.6502, 117.7527

# Sweetspot

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



82.7109, 94.6504, 62.6265



90.7924, 98.1647, 92.4570



71.1314, 66.1716, 57.7399



19.2705, 20.9409, 19.1707



0.0000, 0.0000, 0.0000

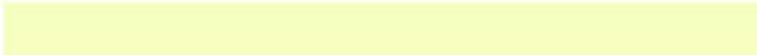


20.3446, 21.4041, 23.3091

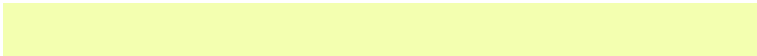


# Same Dimension

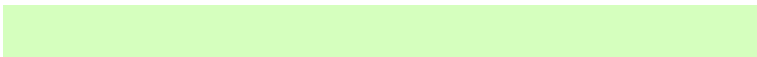
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7109, 94.6504, 62.6265



80.4981, 93.6786, 54.8874



72.4231, 89.3468, 62.1451



19.2705, 20.9409, 19.1707



33.5507, 45.0341, 6.9241



3.3376, 4.4213, 0.6775



# Inverse Universe

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



60.2838, 56.3275, 102.3027



54.3320, 48.9566, 101.1937



69.8241, 61.2457, 102.7492



17.2631, 17.5119, 22.7202



9.9502, 4.0400, 49.6899

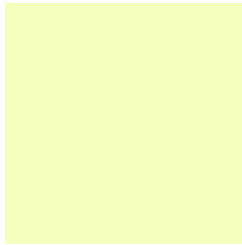


1.0411, 0.4306, 4.8415



# Previews

## White Background



This preview shows how the XYZ color 82.7105, 94.6502, 62.6252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

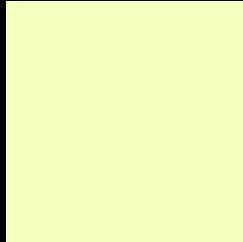
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7105, 94.6502, 62.6252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

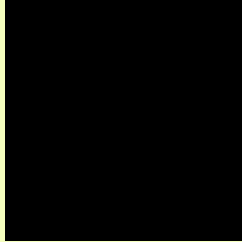
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.7105, 94.6502, 62.6252**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.7105, 94.6502, 62.6252.



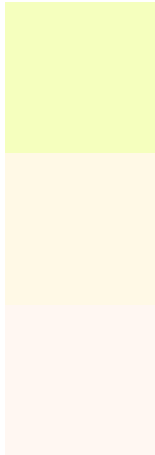
This preview shows how white text looks on a background with the XYZ color 82.7105, 94.6502,



# 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

82.7105, 94.6502, 62.6252

### Protanopia

89.3986, 94.7245, 88.4348

### Deuteranopia

90.5278, 94.1923, 97.4140

## **Tritanopia**

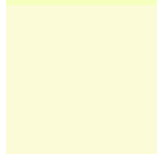
91.0944, 94.2508, 107.9988

# Trichromacy



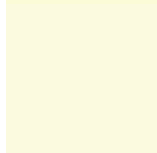
## Original Color

82.7105, 94.6502, 62.6252



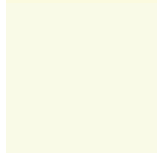
## Protanomaly

86.5466, 94.4099, 77.9514



## Deuteranomaly

87.2886, 94.2082, 83.3954



## Tritanomaly

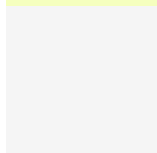
87.6763, 94.2805, 89.1782

# Monochromacy



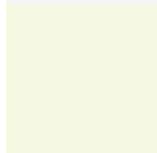
## Original Color

82.7105, 94.6502, 62.6252



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

85.1225, 92.6001, 84.6213

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.7105, 94.6502, 62.6252 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(245, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 190)  
}
```

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(245, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7105, 94.6502, 62.6252 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(245, 255, 190) }
```



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

```
.border{ border-color:rgb(245, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7105, 94.6502, 62.6252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 190) }
```

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

```
.background{ background-color: rgb(245,  
255, 190) }
```

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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