

# Converting Colors

XYZ(84.4301, 91.5841, 83.0814)

Have a look what the booklet for  
XYZ(84.4301, 91.5841, 83.0814)  
contains.

<b>XYZ(84.2362, 91.2617, 82.9876)</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(84.2362, 91.2617,  
82.9876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F7DF
RGB	245, 247, 223
RGB Percent	96%, 97%, 87%
CMY	0.0392, 0.0313, 0.1255
CMYK	0.01, 0.00, 0.10, 0.03
HSL	65°, 60%, 92%
HSV	65°, 10%, 97%
XYZ	84.2362, 91.2617, 82.9876
YIQ	243.6660, 6.5120, -7.8880

# Conversions

## Conversions Part 2

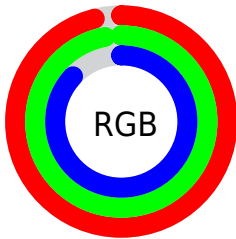
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 247, 225
Decimal	16119775
CIE Lab	96.52, -4.71, 11.31
CIE LCh	97, 12.250, 112.637
Yxy	91.2617, 0.3259, 0.3531
Android (android.graphics.Color)	4294309855 (0xFFFF5F7DF)
YUV	243.6660, -10.1883, 1.1699
Hunter-Lab	95.5310, -9.7836, 15.3666

# Details

The XYZ color **84.2362, 91.2617, 82.9876** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.2311, 75.5008, 98.6613**, and the grayscale version is **85.7995, 90.2677, 98.3015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6850, 50.9076, 44.4114** is the 20% darker color. If you saturate the color by 10%, you get **80.4311, 89.6600, 66.6754**, and if you desaturate by 10%, it is **88.5402, 93.0699, 101.8629**.

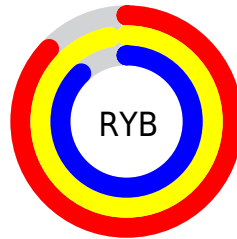
# Distribution



Red (96%)

Green (97%)

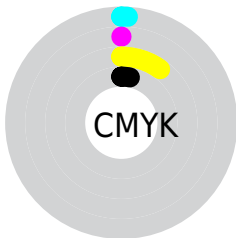
Blue (87%)



Red (87%)

Yellow (97%)

Blue (88%)

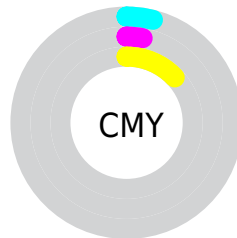


Cyan (1%)

Magenta (0%)

Yellow (10%)

Black (3%)



Cyan (4%)

Magenta (3%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2362, 91.2617, 82.9876 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 84.2362, 91.2617, 82.9876 by changing the saturation by 10% instead.



84.2362, 91.2617,  
82.9876

84.2362, 91.2617,  
82.9876

497.6191,  
532.1266, 524.9151

63.5308, 69.0276,  
61.6394

138.2251,  
149.0897, 139.4072

46.5310, 50.7342,  
44.3075

172.2393,  
185.4524, 175.3156

32.8715, 35.9971,  
30.5733

211.4205,  
227.2934, 216.9145

22.1868, 24.4319,  
20.0184

256.1341,  
274.9970, 264.6224

14.1116, 15.6543,  
12.2242

306.7454,  
328.9478, 318.8579

8.2805, 9.2799,  
6.7722

363.6198,

4.3283, 4.9242,

389.5301, 380.0395

3.2438

427.1225,  
457.1282, 448.5857

■ 1.8895, 2.2029,  
1.2204

■ 0.5707, 0.7215,  
0.0000

■ 84.2362, 91.2617,  
82.9876

■ 84.2362, 91.2617,  
82.9876

■ 80.4311, 89.6600,  
66.6754

■ 88.5402, 93.0699,  
101.8629

■ 77.0966, 88.2444,  
52.8100

■ 90.4249, 93.9084,  
107.9680

■ 74.2124, 87.0099,  
41.2751

■ 91.1649, 94.2898,  
108.0026

■ 71.7544, 85.9467,  
31.9425

■ 91.9130, 94.6755,  
108.0376

69.6958, 85.0443,  
24.6716

92.5526, 95.0052,  
108.0675

68.0067, 84.2905,  
19.3058

66.6532, 83.6719,  
15.6660

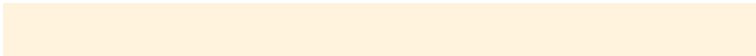
65.5948, 83.1723,  
13.5390

64.7663, 82.7655,  
12.5818

# Harmonies

## Analogous

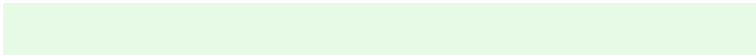
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5866, 91.2617, 81.8445



84.2362, 91.2617, 82.9876



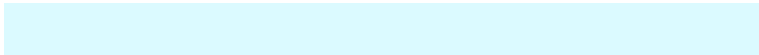
81.6216, 91.2617, 88.3771

# Triad

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



84.2362, 91.2617, 82.9876



82.8136, 91.2617, 115.0934



93.4247, 91.2617, 101.8004

# Complementary

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



84.2362, 91.2617, 82.9876



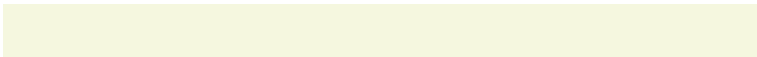
74.2311, 75.5008, 98.6613

# Split Complementary

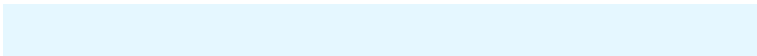
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0712, 91.2617, 111.2353



84.2362, 91.2617, 82.9876



85.9019, 91.2617, 119.2307

# Square

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



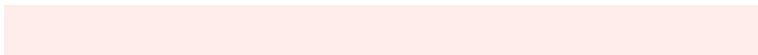
84.2362, 91.2617, 82.9876



80.8154, 91.2617, 106.7912



89.2960, 91.2617, 117.7745

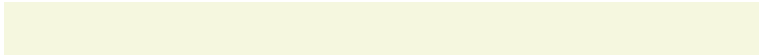


92.9504, 91.2617, 92.2979

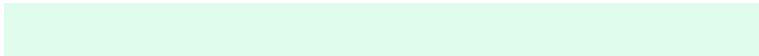


# Rectangle

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



84.2362, 91.2617, 82.9876



80.6182, 91.2617, 93.8562



89.2960, 91.2617, 117.7745



93.1672, 91.2617, 105.0925

# Sweetspot

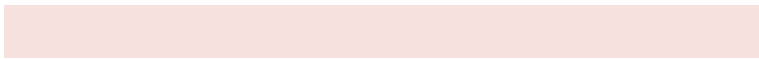
The Sweet Spot groups the original color and five complimentary colors.



84.2387, 91.2657, 82.9896



93.6079, 99.3960, 102.5308



78.6053, 78.9547, 80.9102



19.9552, 21.2410, 21.5907



0.0000, 0.0000, 0.0000

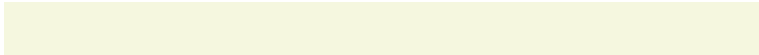


20.3446, 21.4041, 23.3091



# Same Dimension

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



84.2387, 91.2657, 82.9896



89.5748, 97.7020, 84.9430



80.1876, 89.1773, 82.8000



17.7701, 19.2391, 17.5745



34.2984, 43.7943, 6.6454



3.0540, 3.8695, 0.5859



# Inverse Universe

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



74.2311, 75.5008, 98.6613



76.4779, 77.0703, 105.4530



78.1041, 77.4974, 98.8425



15.7094, 15.9928, 20.8015



9.0849, 3.6578, 46.7652

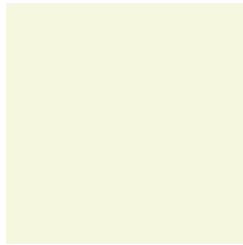


0.8417, 0.3438, 4.1122



# Previews

## White Background



This preview shows how the XYZ color 84.2362, 91.2617, 82.9876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

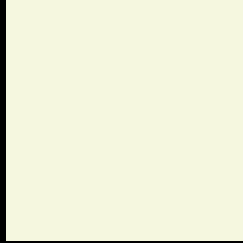
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.2362, 91.2617, 82.9876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

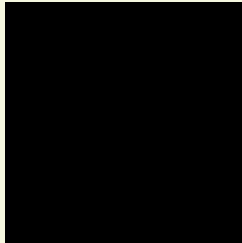
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

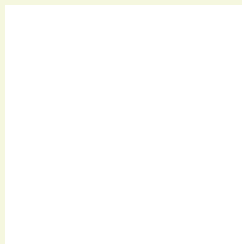
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.2362, 91.2617, 82.9876**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.2362, 91.2617, 82.9876.



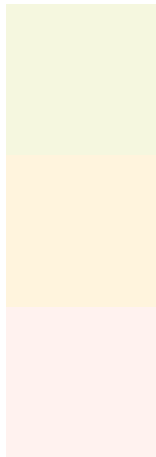
This preview shows how white text looks on a background with the XYZ color 84.2362, 91.2617,

82.9876.

# 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

84.2362, 91.2617, 82.9876

### Protanopia

86.6418, 91.1818, 81.4400

### Deuteranopia

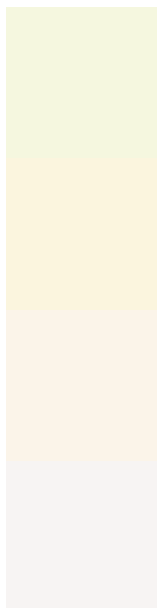
88.5721, 90.9963, 94.5571



## Tritanopia

88.8120, 91.2776, 107.5452

# Trichromacy



## Original Color

84.2362, 91.2617, 82.9876

## Protanomaly

85.6209, 91.0880, 82.1763

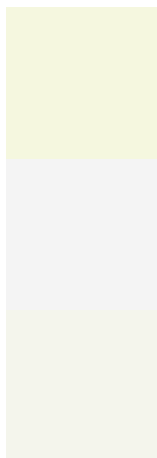
## Deuteranomaly

86.8423, 91.0938, 90.0966

## Tritanomaly

86.8861, 90.9466, 97.7691

# Monochromacy



## Original Color

84.2362, 91.2617, 82.9876

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.1010, 90.5940, 92.3580

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.2362, 91.2617, 82.9876 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, 247, 223) looks like.

```
.text, #text, p{  
    color:rgb(245, 247, 223)  
}
```

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, 247, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 247, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 84.2362, 91.2617, 82.9876 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, 247, 223) }
```



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

```
.border{ border-color:rgb(245, 247, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 247, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 247, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 247, 223);  
box-shadow:4px 4px 4px 4px rgb(245, 247,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.2362, 91.2617, 82.9876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 247, 223) }
```

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

```
.background{ background-color: rgb(245,  
247, 223) }
```

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