

# Converting Colors

XYZ(93.5137, 106.5581,  
93.1560)

Have a look what the booklet for  
XYZ(93.5137, 106.5581, 93.1560)  
contains.

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# Color

**XYZ(88.9691, 97.2347,  
91.9209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFEA
RGB	247, 255, 234
RGB Percent	97%, 100%, 92%
CMY	0.0314, 0.0000, 0.0823
CMYK	0.03, 0.00, 0.08, 0.00
HSL	83°, 100%, 96%
HSV	83°, 8%, 100%
XYZ	88.9691, 97.2347, 91.9209
YIQ	250.2140, 1.9730, -8.2270

# Conversions

## Conversions Part 2

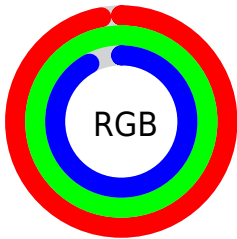
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">234, 255, 242</a>
Decimal	<a href="#">16252906</a>
CIELab	<a href="#">98.92, -6.24, 9.12</a>
CIELCh	<a href="#">99, 11.048, 124.397</a>
Yxy	<a href="#">97.2347, 0.3199, 0.3496</a>
Android (android.graphics.Color)	<a href="#">4294442986</a> ( <a href="#">0xFFFF7FEEA</a> )
YUV	<a href="#">250.2140, -7.9935, -2.8187</a>
Hunter-Lab	<a href="#">98.6077, -11.5112, 13.7559</a>

# Details

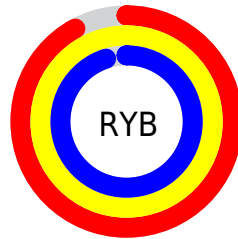
The XYZ color 88.9691, 97.2347, 91.9209 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.0915, 84.9440, 106.5715, and the grayscale version is 91.1055, 95.8501, 104.3808.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7158, 54.6789, 50.0533 is the 20% darker color. If you saturate the color by 10%, you get 82.2283, 94.1530, 73.8382, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

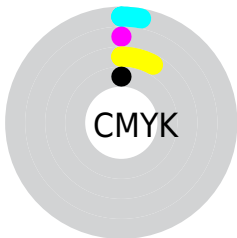
# Distribution



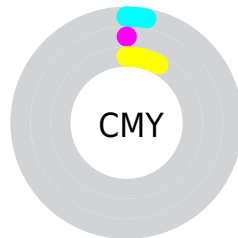
- Red (97%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (95%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.9691, 97.2347, 91.9209 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 88.9691, 97.2347, 91.9209 by changing the saturation by 10% instead.




 88.9691, 97.2347,  
91.9209

 88.9691, 97.2347,  
91.9209

512.9597,  
551.2947, 554.9904

 67.4594, 73.9963,  
68.9923


144.7912,  
157.3483, 151.9625

 49.7301, 54.7910,  
50.2337


179.8344,  
194.9924, 189.9125

 35.4159, 39.2344,  
35.2266


220.1194,  
238.2071, 233.7068

 24.1515, 26.9421,  
23.5526

266.0116,  
287.3769, 283.7638

 15.5714, 17.5298,  
14.7929

317.8764,  
342.8862, 340.5022

 9.3103, 10.6129,  
8.5292

376.0791,

 5.0028, 5.8072,

405.1193, 404.3403

4.3428

440.9851,  
474.4606, 475.6969

■ 2.2837, 2.7282,  
1.8152

■ 0.7863, 0.9915,  
0.4380

■ 88.9691, 97.2347,  
91.9209

■ 88.9691, 97.2347,  
91.9209

■ 82.2283, 94.1530,  
73.8382

95.0500, 100.0000,  
108.9000

■ 76.1676, 91.3635,  
58.4212

■ 70.7607, 88.8555,  
45.5448

■ 65.9790, 86.6173,  
35.0718

■ 61.7911, 84.6360,  
26.8526

■ 58.1624, 82.8973,  
20.7203

■ 55.0538, 81.3853,  
16.4851

■ 52.4197, 80.0813,  
13.9229

■ 50.1982, 78.9603,  
12.7244

# Harmonies

## Analogous

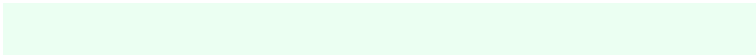
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9454, 97.2347, 89.1777



88.9691, 97.2347, 91.9209



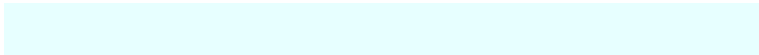
86.9535, 97.2347, 98.4020

# Triad

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



88.9691, 97.2347, 91.9209



89.7721, 97.2347, 122.6596



98.7224, 97.2347, 104.5200

# Complementary

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



88.9691, 97.2347, 91.9209



84.0915, 84.9440, 106.5715

# 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.



98.1082, 97.2347, 113.7109



88.9691, 97.2347, 91.9209



92.8936, 97.2347, 124.5297

# Square

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



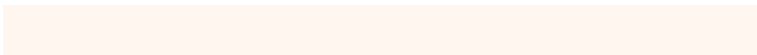
88.9691, 97.2347, 91.9209



87.4095, 97.2347, 116.1953



95.9563, 97.2347, 121.1679



97.6156, 97.2347, 96.1791



# Rectangle

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



88.9691, 97.2347, 91.9209



86.4000, 97.2347, 104.1524



95.9563, 97.2347, 121.1679



98.7105, 97.2347, 107.6105

# Sweetspot

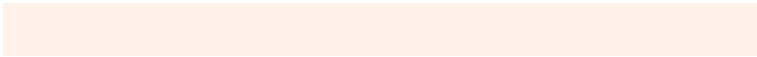
The Sweet Spot groups the original color and five complimentary colors.



88.9698, 97.2350, 91.9224



93.5285, 99.3093, 104.5994



87.7548, 90.5272, 90.6916



20.0349, 21.2635, 22.4336



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

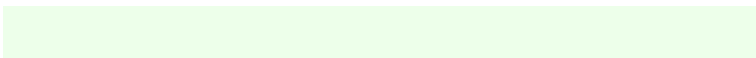
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9698, 97.2350, 91.9224



87.7291, 96.6692, 88.5305



85.4704, 95.4310, 91.7586



18.8517, 20.7250, 19.1511



26.2109, 41.2503, 6.5806



2.6738, 4.0792, 0.6464



# Inverse Universe

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



84.0915, 84.9440, 106.5715



81.8766, 81.9236, 106.1052



87.6908, 86.7996, 106.7399



17.6570, 17.7149, 22.7386



12.1679, 5.1832, 49.7937

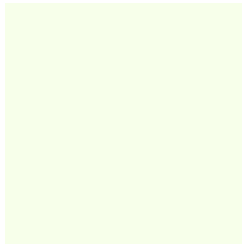


1.3018, 0.5650, 4.8537



# Previews

## White Background



This preview shows how the XYZ color 88.9691, 97.2347, 91.9209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

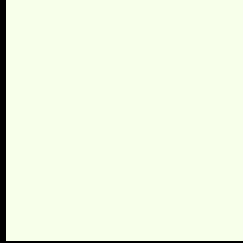
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.9691, 97.2347, 91.9209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

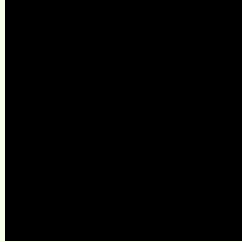
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

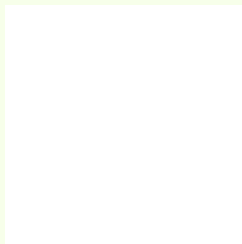
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.9691, 97.2347, 91.9209

## Background



This preview shows how black text looks on a background with the XYZ color 88.9691, 97.2347, 91.9209.



This preview shows how white text looks on a background with the XYZ color 88.9691, 97.2347,



# 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

88.9691, 97.2347, 91.9209

### Protanopia

92.2186, 96.8469, 100.2191

### Deuteranopia

92.9925, 97.1565, 104.2943

## **Tritanopia**

92.6921, 96.9098, 108.4278

# Trichromacy



**Original Color**

88.9691, 97.2347, 91.9209

**Protanomaly**

90.8325, 96.6671, 97.0903

**Deuteranomaly**

91.2844, 96.8479, 99.4703

**Tritanomaly**

91.0232, 96.6602, 101.8555

# Monochromacy



**Original Color**

88.9691, 97.2347, 91.9209

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.2065, 96.2922, 99.4198

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.9691, 97.2347, 91.9209 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(247, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 234)  
}
```

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(247, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 88.9691, 97.2347, 91.9209 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(247, 255, 234) }
```



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

```
.border{ border-color:rgb(247, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(247, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.9691, 97.2347, 91.9209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 234) }
```

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

```
.background{ background-color: rgb(247,  
255, 234) }
```

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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