

# Converting Colors

XYZ(82.1454, 91.1929, 89.2661)

Have a look what the booklet for  
XYZ(82.1454, 91.1929, 89.2661)  
contains.

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# Color

**XYZ(82.3554, 91.5210,  
89.6687)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9FAE8
RGB	233, 250, 232
RGB Percent	91%, 98%, 91%
CMY	0.0863, 0.0196, 0.0902
CMYK	0.07, 0.00, 0.07, 0.02
HSL	117°, 64%, 95%
HSV	117°, 7%, 98%
XYZ	82.3554, 91.5210, 89.6687
YIQ	242.8650, -4.3540, -9.2020

# Conversions

## Conversions Part 2

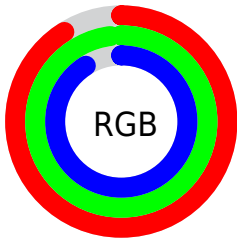
Format	Color
R <sub>Y</sub> B	232, 250, 249
Decimal	15334120
CIE Lab	96.62, -8.78, 6.71
CIE LCh	97, 11.049, 142.584
Yxy	91.5210, 0.3125, 0.3473
Android (android.graphics.Color)	4293524200 (0xFFE9FAE8)
YUV	242.8650, -5.3564, -8.6516
Hunter-Lab	95.6666, -13.7533, 11.3939

# Details

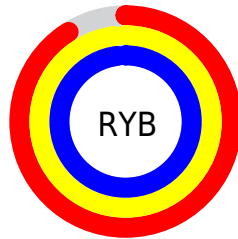
The XYZ color **82.3554, 91.5210, 89.6687** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1823, 84.7576, 102.3173**, and the grayscale version is **85.1300, 89.5634, 97.5345**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2597, 51.0653, 48.5454** is the 20% darker color. If you saturate the color by 10%, you get **71.8548, 86.4919, 71.9398**, and if you desaturate by 10%, it is **93.4773, 96.8547, 108.3758**.

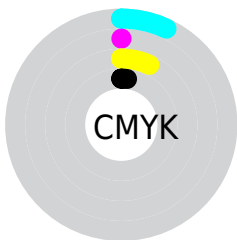
# Distribution



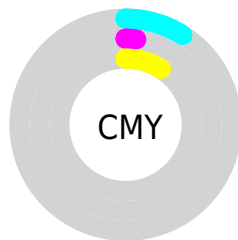
- Red (91%)
- Green (98%)
- Blue (91%)



- Red (91%)
- Yellow (98%)
- Blue (98%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3554, 91.5210, 89.6687 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 82.3554, 91.5210, 89.6687 by changing the saturation by 10% instead.



82.3554, 91.5210,  
89.6687

82.3554, 91.5210,  
89.6687

491.4522,  
532.9663, 547.4948

61.9736, 69.2428,  
67.1337

135.6055,  
149.4493, 148.8096

45.2669, 50.9095,  
48.7310

169.2046,  
185.8683, 186.2526

31.8699, 36.1366,  
34.0421

207.9401,  
227.7697, 229.5021

21.4172, 24.5397,  
22.6483

252.1774,  
275.5378, 278.9765

13.5435, 15.7345,  
14.1312

302.2820,  
329.5572, 335.0945

7.8834, 9.3364,  
8.0722

358.6190,

4.0716, 4.9613,

390.2121, 398.2745

4.0527

421.5540,  
457.8870, 468.9351

■ 1.7427, 2.2246,  
1.6543

■ 0.4828, 0.7333,  
0.3291

■ 82.3554, 91.5210,  
89.6687

■ 82.3554, 91.5210,  
89.6687

■ 71.8548, 86.4919,  
71.9398

■ 93.4773, 96.8547,  
108.3758

■ 62.8266, 82.1634,  
56.8042

■ 55.2070, 78.5077,  
44.1422

■ 48.9251, 75.4912,  
33.8223

■ 43.9036, 73.0770,  
25.7010

■ 40.0571, 71.2247,  
19.6189

■ 37.2900, 69.8888,  
15.3951

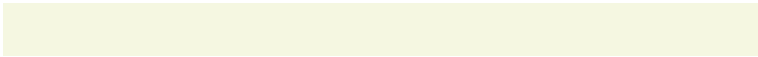
■ 35.4912, 69.0167,  
12.8173

■ 34.5243, 68.5440,  
11.6116

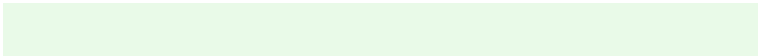
# Harmonies

## Analogous

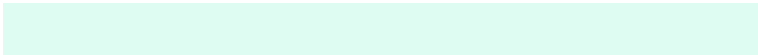
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7269, 91.5210, 84.7558



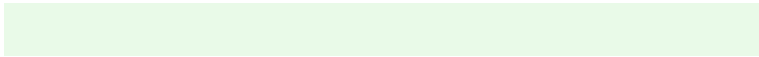
82.3554, 91.5210, 89.6687



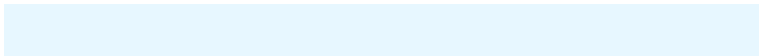
81.2302, 91.5210, 97.4713

# Triad

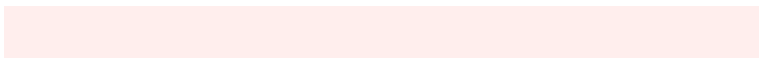
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3554, 91.5210, 89.6687



86.2236, 91.5210, 117.4881



92.5880, 91.5210, 93.2601

# Complementary

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



82.3554, 91.5210, 89.6687



85.1823, 84.7576, 102.3173

# 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.



93.0116, 91.5210, 101.8626



82.3554, 91.5210, 89.6687



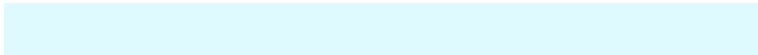
89.2889, 91.5210, 116.1960

# Square

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



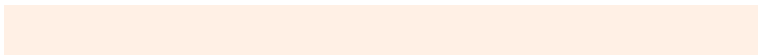
82.3554, 91.5210, 89.6687



83.4289, 91.5210, 113.7806



91.7911, 91.5210, 110.3475



90.6469, 91.5210, 86.7421

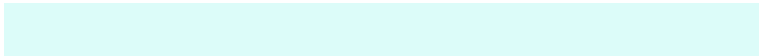


# Rectangle

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



82.3554, 91.5210, 89.6687



81.3190, 91.5210, 103.4028



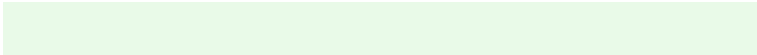
91.7911, 91.5210, 110.3475



92.9144, 91.5210, 95.9907

# Sweetspot

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



82.3579, 91.5249, 89.6707



92.4897, 98.7737, 104.5508



87.8077, 93.7824, 89.8192



19.8234, 21.1545, 22.4237



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.



82.3579, 91.5249, 89.6707



84.0429, 94.7273, 90.2358



83.1657, 91.8104, 95.6230



17.1065, 19.3552, 18.2967



18.2643, 36.3339, 6.0505



1.7220, 3.3808, 0.5618



# Inverse Universe

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



85.1823, 84.7576, 102.3173



87.6934, 85.9805, 106.5817



84.3412, 84.4624, 96.0227



17.8922, 17.4726, 21.8148



27.5636, 13.1522, 49.0594



2.5811, 1.2327, 4.5451



# Previews

## White Background



This preview shows how the XYZ color 82.3554, 91.5210, 89.6687 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

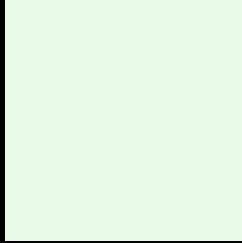
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.3554, 91.5210, 89.6687 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

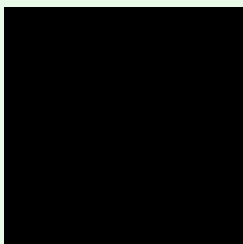
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

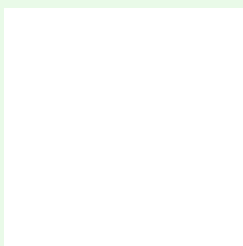
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.3554, 91.5210, 89.6687**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.3554, 91.5210, 89.6687.



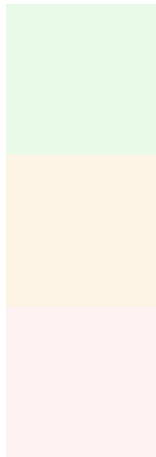
This preview shows how white text looks on a background with the XYZ color 82.3554, 91.5210,

89.6687.

# 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**

82.3554, 91.5210, 89.6687

**Protanopia**

87.0016, 91.2412, 87.1546

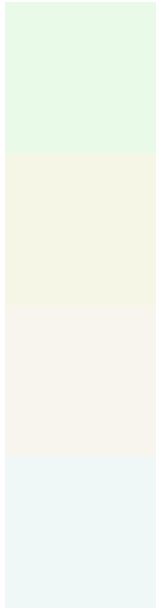
**Deuteranopia**

89.0191, 91.1751, 96.9111

## **Tritanopia**

87.3204, 91.4021, 107.6478

# Trichromacy



## Original Color

82.3554, 91.5210, 89.6687

## Protanomaly

85.2447, 91.2175, 87.9768

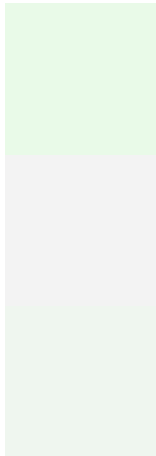
## Deuteranomaly

86.4428, 91.2520, 93.9463

## Tritanomaly

85.6459, 91.5877, 101.1599

# Monochromacy



## Original Color

82.3554, 91.5210, 89.6687

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.1324, 90.4943, 94.6942

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.3554, 91.5210, 89.6687 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(233, 250, 232)` looks like.

```
.text, #text, p{  
    color:rgb(233, 250, 232)  
}
```

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(233, 250, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 250, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 82.3554, 91.5210, 89.6687 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(233, 250, 232) }
```



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

```
.border{ border-color:rgb(233, 250, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 250, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 250, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 250, 232);  
box-shadow:4px 4px 4px 4px rgb(233, 250,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.3554, 91.5210, 89.6687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 250, 232) }
```

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

```
.background{ background-color: rgb(233,  
250, 232) }
```

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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