

Converting Colors

XYZ(87.3831, 95.6825, 88.6639)

Have a look what the booklet for
XYZ(87.3831, 95.6825, 88.6639)
contains.

XYZ(87.4142, 95.5566, 88.6999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(87.4142, 95.5566,
88.6999)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FDE6
RGB	246, 253, 230
RGB Percent	96%, 99%, 90%
CMY	0.0353, 0.0078, 0.0980
CMYK	0.03, 0.00, 0.09, 0.01
HSL	78°, 85%, 95%
HSV	78°, 9%, 99%
XYZ	87.4142, 95.5566, 88.6999
YIQ	248.2850, 3.2110, -8.6370

Conversions

Conversions Part 2

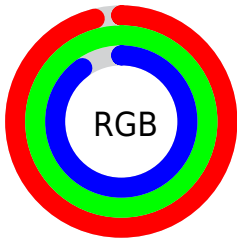
Format	Color
R _Y B	230, 253, 237
Decimal	16186854
CIE Lab	98.26, -6.24, 10.20
CIE LCh	98, 11.961, 121.452
Yxy	95.5566, 0.3218, 0.3517
Android (android.graphics.Color)	4294376934 (0xFFFF6FDE6)
YUV	248.2850, -9.0145, -2.0039
Hunter-Lab	97.7531, -11.4469, 14.6281

Details

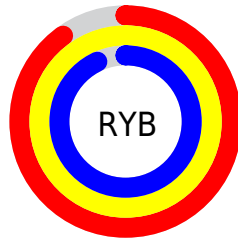
The XYZ color **87.4142, 95.5566, 88.6999** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.9553, 81.6926, 104.4351**, and the grayscale version is **89.5282, 94.1906, 102.5735**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6151, 53.4830, 47.8054** is the 20% darker color. If you saturate the color by 10%, you get **81.4702, 92.8764, 71.2017**, and if you desaturate by 10%, it is **93.9425, 98.4897, 108.6669**.

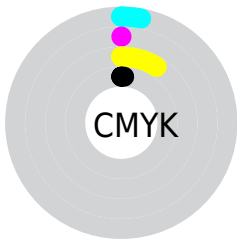
Distribution



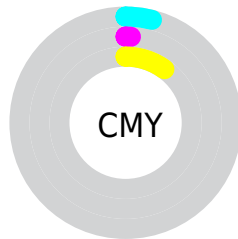
- Red (96%)
- Green (99%)
- Blue (90%)



- Red (90%)
- Yellow (99%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)



- Cyan (4%)
- Magenta (1%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4142, 95.5566, 88.6999 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 87.4142, 95.5566, 88.6999 by changing the saturation by 10% instead.

87.4142, 95.5566,
88.6999

87.4142, 95.5566,
88.6999

507.9471,
545.9453, 544.2531

66.1672, 72.5983,
66.3352

142.6380,
155.0333, 147.4509

48.6764, 53.6476,
48.0864

177.3456,
192.3206, 184.6742

34.5763, 38.3200,
33.5348

217.2707,
235.1530, 227.6876

23.5017, 26.2311,
22.2620

262.7787,
283.9148, 276.9095

15.0871, 16.9966,
13.8494

314.2350,
338.9906, 332.7585

8.9672, 10.2321,
7.8784

372.0049,

4.7768, 5.5531,

400.7647, 395.6530

3.9306

436.4539,
469.6215, 466.0117

■ 2.1503, 2.5753,
1.5874

■ 0.7163, 0.9143,
0.2818

■ 87.4142, 95.5566,
88.6999

■ 87.4142, 95.5566,
88.6999

■ 81.4702, 92.8764,
71.2017

93.9425, 98.4897,
108.6669

■ 76.1281, 90.4465,
56.3061

94.4172, 98.7345,
108.6891

■ 71.3652, 88.2611,
43.8903

■ 67.1546, 86.3090,
33.8189

■ 63.4668, 84.5783,
25.9438

■ 60.2688, 83.0557,
20.0999

■ 57.5236, 81.7262,
16.0987

■ 55.1870, 80.5720,
13.7168

■ 53.1943, 79.5669,
12.6203

Harmonies

Analogous

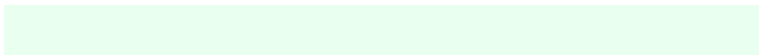
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6560, 95.5566, 86.2251



87.4142, 95.5566, 88.6999



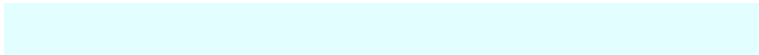
85.1337, 95.5566, 95.2479

Triad

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



87.4142, 95.5566, 88.6999



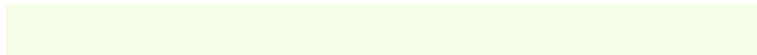
87.6977, 95.5566, 121.5970



97.6012, 95.5566, 103.5653

Complementary

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



87.4142, 95.5566, 88.6999



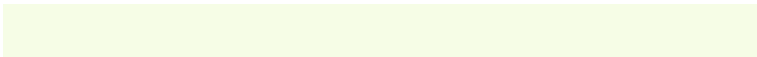
80.9553, 81.6926, 104.4351

Split Complementary

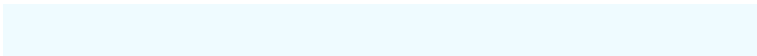
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7617, 95.5566, 113.3675



87.4142, 95.5566, 88.6999



90.9915, 95.5566, 124.1648

Square

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



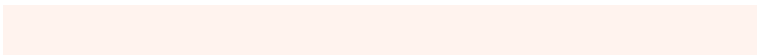
87.4142, 95.5566, 88.6999



85.2944, 95.5566, 114.2508



94.3207, 95.5566, 121.0648



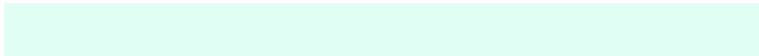
96.5869, 95.5566, 94.4656

Rectangle

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



87.4142, 95.5566, 88.6999



84.4354, 95.5566, 101.2533



94.3207, 95.5566, 121.0648



97.5263, 95.5566, 106.8873

Sweetspot

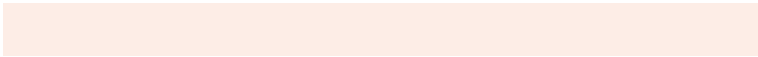
The Sweet Spot groups the original color and five complimentary colors.



87.4168, 95.5607, 88.7020



92.9907, 99.0779, 102.5019



85.0496, 87.1094, 87.1955



19.7882, 21.1549, 21.5829



0.0000, 0.0000, 0.0000



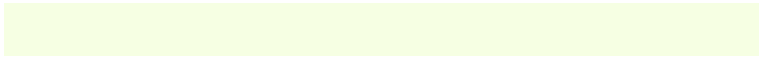
20.3446, 21.4041, 23.3091

Same Dimension

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



87.4168, 95.5607, 88.7020



87.7853, 96.7391, 86.6826



83.5403, 93.5623, 88.5206



18.9912, 20.7969, 19.1576



28.3601, 42.3583, 6.6812



2.8726, 4.1816, 0.6557

Inverse Universe

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



80.9553, 81.6926, 104.4351



79.9289, 79.8768, 105.8128



84.8832, 83.7175, 104.6189



17.5231, 17.6459, 22.7324



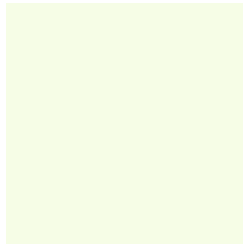
11.1903, 4.6793, 49.7480



1.1950, 0.5100, 4.8487

Previews

White Background



This preview shows how the XYZ color 87.4142, 95.5566, 88.6999 looks on a white background.

Color Contrast Check

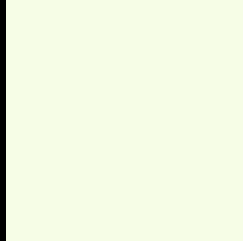
Large Text (above 18pt) WCAG AA × Fail

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 87.4142, 95.5566, 88.6999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

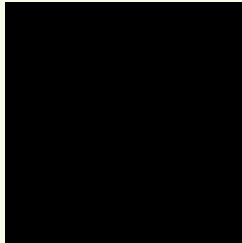
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

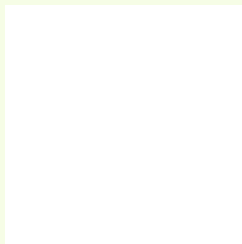
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.4142, 95.5566, 88.6999

Background



This preview shows how black text looks on a background with the XYZ color 87.4142, 95.5566, 88.6999.

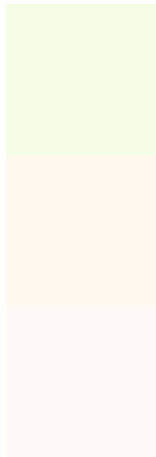


This preview shows how white text looks on a background with the XYZ color 87.4142, 95.5566,

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

87.4142, 95.5566, 88.6999

Protanopia

90.6957, 95.2434, 95.2650

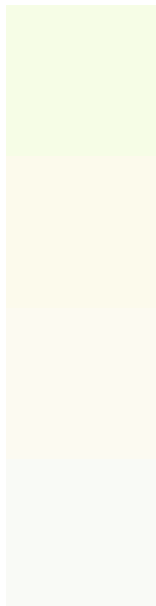
Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

91.3500, 95.2954, 108.1869

Trichromacy



Original Color

87.4142, 95.5566, 88.6999

Protanomaly

89.4708, 95.1228, 93.0018

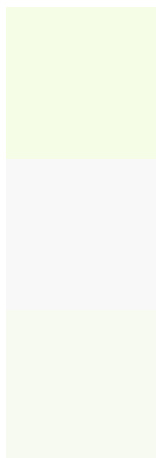
Deuteranomaly

90.2077, 95.4175, 96.8821

Tritanomaly

89.8871, 95.1648, 100.8199

Monochromacy



Original Color

87.4142, 95.5566, 88.6999

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.4206, 94.4962, 96.7984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4142, 95.5566, 88.6999 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(246, 253, 230)` looks like.

```
.text, #text, p{  
    color:rgb(246, 253, 230)  
}
```

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(246, 253, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 253, 230) }
```

Border

The CSS property to change the border of an element to XYZ 87.4142, 95.5566, 88.6999 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(246, 253, 230) }
```


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

```
.border{ border-color:rgb(246, 253, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 253, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 253, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 253, 230);  
box-shadow:4px 4px 4px 4px rgb(246, 253,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4142, 95.5566, 88.6999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 253, 230) }
```

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

```
.background{ background-color: rgb(246,  
253, 230) }
```

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