

Converting Colors

XYZ(98.0983, 100.0000,
88.3330)

Have a look what the booklet for
XYZ(98.0983, 100.0000, 88.3330)
contains.

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Color

**XYZ(89.8800, 95.9115,
87.9043)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBE5
RGB	255, 251, 229
RGB Percent	100%, 98%, 90%
CMY	0.0000, 0.0157, 0.1020
CMYK	0.00, 0.02, 0.10, 0.00
HSL	51°, 100%, 95%
HSV	51°, 10%, 100%
XYZ	89.8800, 95.9115, 87.9043
YIQ	249.6880, 9.4460, -5.9940

Conversions

Conversions Part 2

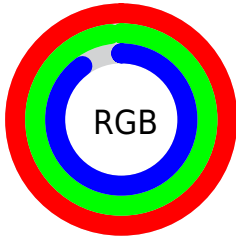
Format	Color
R _Y B	234, 255, 229
Decimal	16776165
CIE Lab	98.40, -2.32, 11.01
CIE LCh	98, 11.250, 101.904
Yxy	95.9115, 0.3284, 0.3504
Android (android.graphics.Color)	4294966245 (0xFFFFFBE5)
YUV	249.6880, -10.1992, 4.6586
Hunter-Lab	97.9344, -7.5656, 15.3364

Details

The XYZ color **89.8800, 95.9115, 87.9043** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.5014, 82.1537, 106.2748**, and the grayscale version is **90.6869, 95.4097, 103.9011**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.4438, 54.0920, 47.8265** is the 20% darker color. If you saturate the color by 10%, you get **85.3674, 92.1718, 70.1056**, and if you desaturate by 10%, it is **94.9455, 99.9191, 108.4700**.

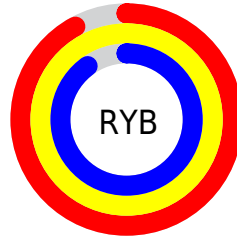
Distribution



Red (100%)

Green (98%)

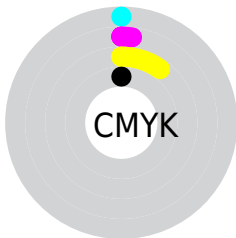
Blue (90%)



Red (92%)

Yellow (100%)

Blue (90%)

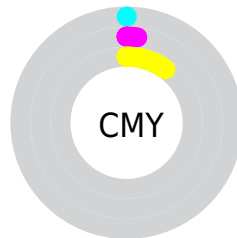


Cyan (0%)

Magenta (2%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.8800, 95.9115, 87.9043 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 89.8800, 95.9115, 87.9043 by changing the saturation by 10% instead.


 89.8800, 95.9115,
87.9043

 89.8800, 95.9115,
87.9043


515.8841,
547.0789, 541.5830

 68.2171, 72.8939,
65.6799


146.0509,
155.5233, 146.3339

 50.3487, 53.8892,
47.5578


181.2896,
192.8862, 183.3762

 35.9095, 38.5131,
33.1193


221.7842,
235.7997, 226.1949

 24.5341, 26.3811,
21.9460

267.9001,
284.6481, 275.2085

 15.8571, 17.1090,
13.6193

320.0027,
339.8158, 330.8355

 9.5133, 10.3122,
7.7206

378.4574,

 5.1373, 5.6065,

401.6873, 393.4946

3.8315

443.6294,
470.6468, 463.6042

■ 2.3636, 2.6073,
1.5334

■ 0.8269, 0.9303,
0.2426

■ 89.8800, 95.9115,
87.9043

■ 89.8800, 95.9115,
87.9043

■ 85.3674, 92.1718,
70.1056

94.9455, 99.9191,
108.4700

■ 81.3781, 88.6785,
54.9480

95.0500, 100.0000,
108.9000

■ 77.8898, 85.4257,
42.3053

■ 74.8759, 82.4024,
32.0382

■ 72.3073, 79.5968,
23.9939

■ 70.1514, 76.9955,
18.0021

■ 68.3711, 74.5835,
13.8672

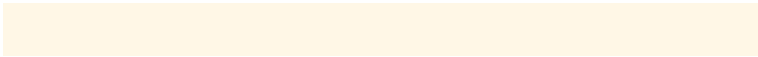
■ 66.9218, 72.3427,
11.3562

■ 65.7518, 70.2835,
10.1006

Harmonies

Analogous

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



93.1127, 95.9115, 88.3503



89.8800, 95.9115, 87.9043



87.0570, 95.9115, 91.6887

Triad

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



89.8800, 95.9115, 87.9043



86.5957, 95.9115, 116.8262



97.2213, 95.9115, 110.0804

Complementary

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



89.8800, 95.9115, 87.9043



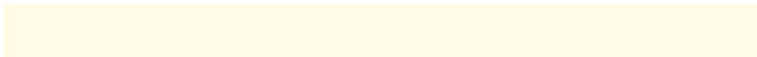
79.5014, 82.1537, 106.2748

Split Complementary

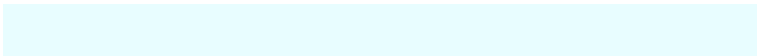
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.3920, 95.9115, 118.3030



89.8800, 95.9115, 87.9043



89.2368, 95.9115, 122.3540

Square

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



89.8800, 95.9115, 87.9043



85.1911, 95.9115, 108.1609



92.4541, 95.9115, 122.9099



97.4034, 95.9115, 100.7885

Rectangle

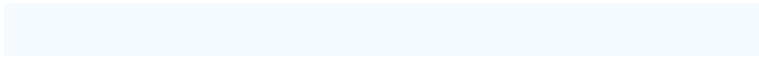
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.8800, 95.9115, 87.9043



85.7669, 95.9115, 96.2401



92.4541, 95.9115, 122.9099



96.7766, 95.9115, 113.0747

Sweetspot

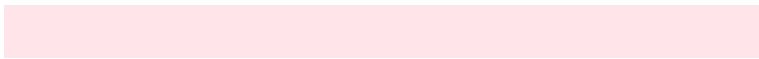
The Sweet Spot groups the original color and five complimentary colors.



89.8823, 95.9155, 87.9063



93.4688, 98.7695, 102.4172



84.0157, 83.2020, 88.9733



19.9176, 21.0712, 21.5600



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.



89.8823, 95.9155, 87.9063



89.0276, 95.2209, 84.4930



88.0264, 96.8305, 88.1808



19.3095, 20.5873, 19.1003



34.4464, 36.9040, 5.3077



3.4153, 3.7160, 0.5372

Inverse Universe

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



79.5014, 82.1537, 106.2748



76.9618, 79.2256, 105.8435



81.2183, 81.3794, 106.0349



17.2282, 17.8281, 22.7831



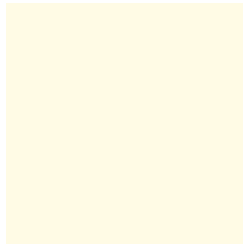
9.8802, 4.6700, 49.8152



1.0246, 0.5799, 4.8712

Previews

White Background



This preview shows how the XYZ color 89.8800, 95.9115, 87.9043 looks on a white background.

Color Contrast Check

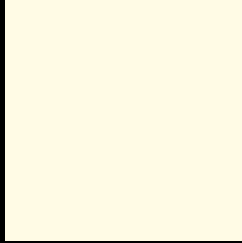
Large Text (above 18pt) WCAG AA × Fail

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 89.8800, 95.9115, 87.9043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

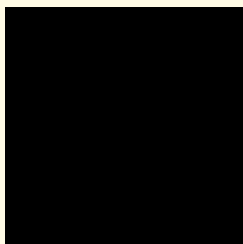
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.8800, 95.9115, 87.9043

Background



This preview shows how black text looks on a background with the XYZ color 89.8800, 95.9115, 87.9043.

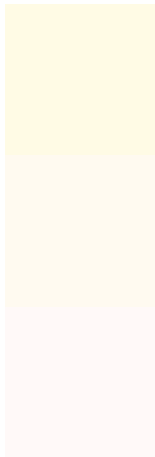


This preview shows how white text looks on a background with the XYZ color 89.8800, 95.9115,

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

89.8800, 95.9115, 87.9043

Protanopia

91.1538, 95.9225, 96.1486

Deuteranopia

92.0590, 95.7887, 102.4440

Tritanopia

92.4337, 95.8540, 108.2376

Trichromacy

**Original Color**

89.8800, 95.9115, 87.9043

Protanomaly

90.5659, 95.6873, 93.0530

Deuteranomaly

91.3028, 95.9821, 96.9333

Tritanomaly

91.6932, 96.0959, 100.9044

Monochromacy

**Original Color**

89.8800, 95.9115, 87.9043

Achromatopsia

90.8653, 95.5973, 104.1055

Achromatomaly

90.3575, 95.4775, 97.6710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.8800, 95.9115, 87.9043 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(255, 251, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 229)  
}
```

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(255, 251, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 229) }
```

Border

The CSS property to change the border of an element to XYZ 89.8800, 95.9115, 87.9043 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(255, 251, 229) }
```


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

```
.border{ border-color:rgb(255, 251, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 89.8800, 95.9115, 87.9043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 229) }
```

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

```
.background{ background-color: rgb(255,  
251, 229) }
```

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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