

Converting Colors

XYZ(90.9795, 97.9986, 88.6158)

Have a look what the booklet for
XYZ(90.9795, 97.9986, 88.6158)
contains.

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Color

**XYZ(90.9647, 97.8568,
88.9568)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFE66
RGB	255, 254, 230
RGB Percent	100%, 100%, 90%
CMY	0.0000, 0.0039, 0.0980
CMYK	0.00, 0.00, 0.10, 0.00
HSL	58°, 100%, 95%
HSV	58°, 10%, 100%
XYZ	90.9647, 97.8568, 88.9568
YIQ	251.5630, 8.3000, -7.2520

Conversions

Conversions Part 2

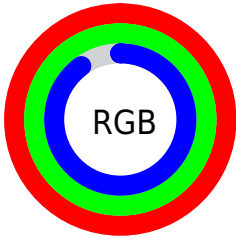
Format	Color
R _Y B	231, 255, 230
Decimal	16776934
CIE Lab	99.17, -3.67, 11.59
CIE LCh	99, 12.158, 107.548
Yxy	97.8568, 0.3275, 0.3523
Android (android.graphics.Color)	4294967014 (0xFFFFFEE6)
YUV	251.5630, -10.6306, 3.0142
Hunter-Lab	98.9226, -8.9741, 15.9289

Details

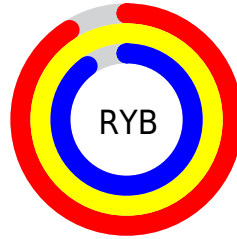
The XYZ color 90.9647, 97.8568, 88.9568 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 79.2584, 81.1927, 106.1021, and the grayscale version is 92.2457, 97.0496, 105.6871.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8949, 54.9943, 47.9769 is the 20% darker color. If you saturate the color by 10%, you get 87.3224, 95.8897, 71.3491, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

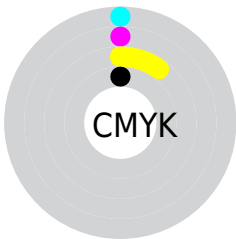
Distribution



- Red (100%)
- Green (100%)
- Blue (90%)



- Red (91%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 90.9647, 97.8568, 88.9568 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 90.9647, 97.8568, 88.9568 by changing the saturation by 10% instead.


 90.9647, 97.8568,
88.9568

 90.9647, 97.8568,
88.9568

519.3552,
553.2708, 545.1138

 69.1199, 74.5150,
66.5469


147.5492,
158.2055, 147.8113

 51.0864, 55.2156,
48.2572


183.0197,
195.9812, 185.0930

 36.4987, 39.5744,
33.6692


223.7628,
239.3370, 228.1691

 24.9915, 27.2069,
22.3643

270.1439,
288.6573, 277.4581

 16.1994, 17.7286,
13.9239

322.5284,
344.3264, 333.3785

 9.7571, 10.7553,
7.9296

381.2815,

 5.2992, 5.9026,

406.7287, 396.3489

3.9628

446.7687,
476.2488, 466.7878

■ 2.4604, 2.7859,
1.6050

■ 0.8753, 1.0210,
0.2944

■ 90.9647, 97.8568,
88.9568

■ 90.9647, 97.8568,
88.9568

■ 87.3224, 95.8897,
71.3491

95.0500, 100.0000,
108.9000

■ 84.1807, 94.1224,
56.3795

■ 81.5177, 92.5492,
43.9221

■ 79.3070, 91.1597,
33.8384

■ 77.5198, 89.9423,
25.9762

■ 76.1238, 88.8841,
20.1657

■ 75.0821, 87.9704,
16.2130

■ 74.3509, 87.1835,
13.8868

■ 73.8599, 86.4954,
12.8169

Harmonies

Analogous

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



94.4913, 97.8568, 88.5581



90.9647, 97.8568, 88.9568



88.0582, 97.8568, 93.8776

Triad

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



90.9647, 97.8568, 88.9568



88.4731, 97.8568, 121.6524



99.8439, 97.8568, 110.8254

Complementary

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



90.9647, 97.8568, 88.9568



79.2584, 81.1927, 106.1021

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.



98.1439, 97.8568, 120.3132



90.9647, 97.8568, 88.9568



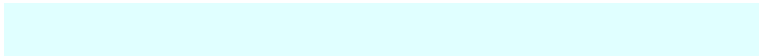
91.5442, 97.8568, 126.8260

Square

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



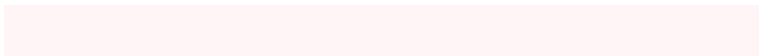
90.9647, 97.8568, 88.9568



86.6451, 97.8568, 112.5599



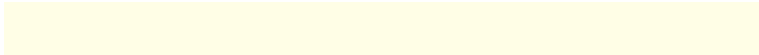
95.0856, 97.8568, 126.3208



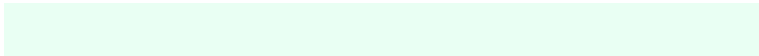
99.6791, 97.8568, 100.7568

Rectangle

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



90.9647, 97.8568, 88.9568



86.8360, 97.8568, 99.2483



95.0856, 97.8568, 126.3208



99.4698, 97.8568, 114.2001

Sweetspot

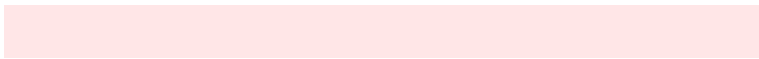
The Sweet Spot groups the original color and five complimentary colors.



90.9670, 97.8609, 88.9589



93.7456, 99.3232, 102.5095



83.9968, 83.6385, 87.5046



19.9926, 21.2212, 21.5850



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.



90.9670, 97.8609, 88.9589



90.1221, 97.4099, 84.8578



87.2650, 96.4218, 88.8762



19.4957, 20.9596, 19.1624



38.6162, 45.2435, 6.6976



3.7784, 4.4422, 0.6583

Inverse Universe

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



79.2584, 81.1927, 106.1021



76.0068, 77.3156, 105.5252



82.7087, 82.5597, 106.1841



17.0609, 17.4934, 22.7273



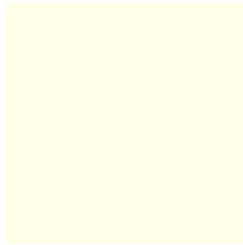
9.5140, 3.9376, 49.6932



0.9458, 0.4223, 4.8449

Previews

White Background



This preview shows how the XYZ color 90.9647, 97.8568, 88.9568 looks on a white background.

Color Contrast Check

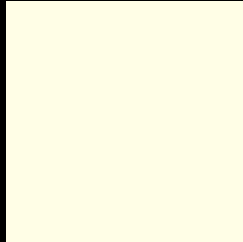
Large Text (above 18pt) WCAG AA × Fail

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 90.9647, 97.8568, 88.9568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

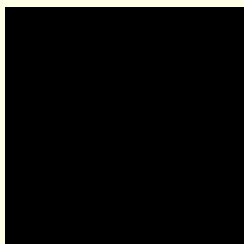
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 90.9647, 97.8568, 88.9568

Background



This preview shows how black text looks on a background with the XYZ color 90.9647, 97.8568, 88.9568.



This preview shows how white text looks on a background with the XYZ color 90.9647, 97.8568,

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

90.9647, 97.8568, 88.9568

Protanopia

92.8389, 97.5962, 101.9405

Deuteranopia

93.4630, 97.8458, 105.2269

Tritanopia

93.7335, 97.9116, 108.5663

Trichromacy



Original Color

90.9647, 97.8568, 88.9568

Protanomaly

92.2425, 97.8614, 97.2465

Deuteranomaly

92.5429, 97.9816, 98.8288

Tritanomaly

92.6329, 97.9752, 101.2176

Monochromacy



Original Color

90.9647, 97.8568, 88.9568



Achromatopsia

92.5260, 97.3445, 106.0082



Achromatomaly

91.9624, 97.6649, 99.5922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 90.9647, 97.8568, 88.9568 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, 254, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 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(255, 254, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 230) }
```

Border

The CSS property to change the border of an element to XYZ 90.9647, 97.8568, 88.9568 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, 254, 230) }
```


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

```
.border{ border-color:rgb(255, 254, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 90.9647, 97.8568, 88.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 230) }
```

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

```
.background{ background-color: rgb(255,  
254, 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](#).

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