

Converting Colors

XYZ(90.5012, 100.0000,
84.4706)

Have a look what the booklet for
XYZ(90.5012, 100.0000, 84.4706)
contains.

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Color

**XYZ(89.2242, 97.5432,
83.9371)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFFDF
RGB	252, 255, 223
RGB Percent	99%, 100%, 87%
CMY	0.0118, 0.0000, 0.1255
CMYK	0.01, 0.00, 0.13, 0.00
HSL	66°, 100%, 94%
HSV	66°, 13%, 100%
XYZ	89.2242, 97.5432, 83.9371
YIQ	250.4550, 8.4840, -10.5880

Conversions

Conversions Part 2

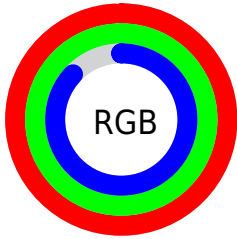
Format	Color
R _Y B	223, 255, 226
Decimal	16580575
CIE Lab	99.04, -6.30, 14.96
CIE LCh	99, 16.236, 112.823
Yxy	97.5432, 0.3296, 0.3603
Android (android.graphics.Color)	4294770655 (0xFFFCFFDF)
YUV	250.4550, -13.5353, 1.3550
Hunter-Lab	98.7640, -11.5785, 18.7456

Details

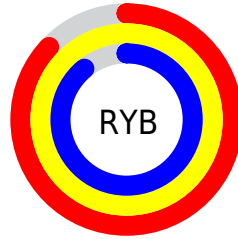
The XYZ color **89.2242, 97.5432, 83.9371** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.8025, 76.1653, 105.3139**, and the grayscale version is **91.3455, 96.1026, 104.6557**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.7676, 54.8174, 45.0036** is the 20% darker color. If you saturate the color by 10%, you get **85.1808, 95.8265, 67.1322**, and if you desaturate by 10%, it is **93.7976, 99.4732, 103.4724**.

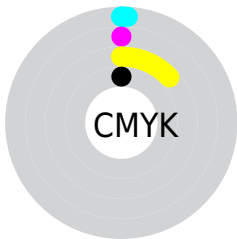
Distribution



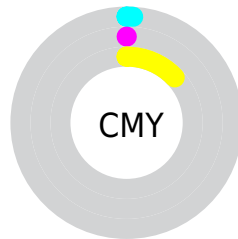
- Red (99%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.2242, 97.5432, 83.9371 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 89.2242, 97.5432, 83.9371 by changing the saturation by 10% instead.

 89.2242, 97.5432,
83.9371

 89.2242, 97.5432,
83.9371


513.7796,
552.2751, 528.1569

 67.6715, 74.2535,
62.4184


145.1441,
157.7735, 140.7481

 49.9033, 55.0015,
44.9329


180.2421,
195.4829, 176.8776

 35.5540, 39.4029,
31.0620


220.5859,
238.7676, 218.7143

 24.2585, 27.0733,
20.3872

266.5409,
288.0120, 266.6769

 15.6512, 17.6283,
12.4900

318.4724,
343.6006, 321.1840

 9.3670, 10.6835,
6.9517

376.7457,

 5.0403, 5.8544,

405.9177, 382.6540

3.3539

441.7264,
475.3478, 451.5054

■ 2.3059, 2.7568,
1.2781

■ 0.7977, 1.0061,
0.0437

■ 89.2242, 97.5432,
83.9371

■ 89.2242, 97.5432,
83.9371

■ 85.1808, 95.8265,
67.1322

■ 93.7976, 99.4732,
103.4724

■ 81.6425, 94.3131,
52.9319

95.0500, 100.0000,
108.9000

■ 78.5849, 92.9932,
41.2069

■ 75.9810, 91.8560,
31.8151

■ 73.8012, 90.8897,
24.6002

■ 72.0120, 90.0809,
19.3866

■ 70.5749, 89.4141,
15.9716

■ 69.4433, 88.8708,
14.1099

■ 68.7476, 88.5258,
13.4638

Harmonies

Analogous

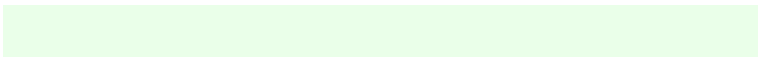
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8543, 97.5432, 82.3761



89.2242, 97.5432, 83.9371



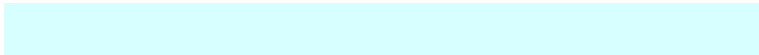
85.6436, 97.5432, 91.2146

Triad

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



89.2242, 97.5432, 83.9371



87.3171, 97.5432, 128.3732



102.0439, 97.5432, 109.4998

Complementary

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



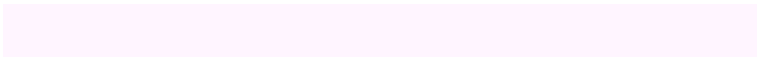
89.2242, 97.5432, 83.9371



75.8025, 76.1653, 105.3139

Split Complementary

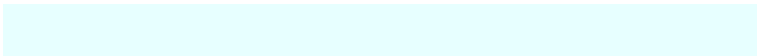
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.1588, 97.5432, 122.7604



89.2242, 97.5432, 83.9371



91.5788, 97.5432, 134.2429

Square

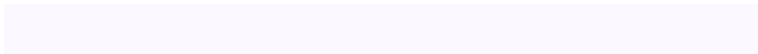
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



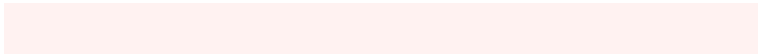
89.2242, 97.5432, 83.9371



84.5690, 97.5432, 116.6490



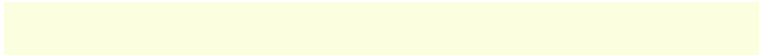
96.2893, 97.5432, 132.1061



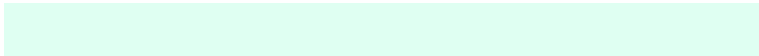
101.3614, 97.5432, 96.4094

Rectangle

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



89.2242, 97.5432, 83.9371



84.2807, 97.5432, 98.6904



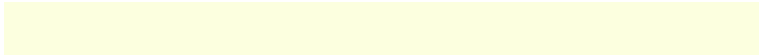
96.2893, 97.5432, 132.1061



101.6874, 97.5432, 114.0979

Sweetspot

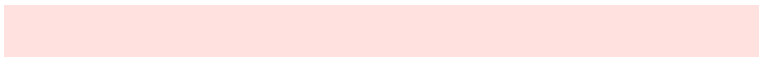
The Sweet Spot groups the original color and five complimentary colors.



89.2248, 97.5435, 83.9385



93.1001, 99.1795, 100.4629



81.6658, 80.8004, 81.1052



19.8509, 21.1963, 21.1744



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

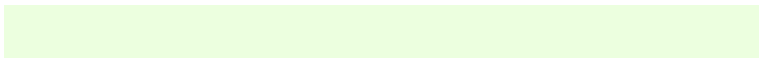
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2248, 97.5435, 83.9385



88.1853, 97.1032, 79.5702



83.7828, 94.7380, 83.6838



19.3835, 20.9991, 19.1759



35.9911, 46.2922, 7.0384



3.5512, 4.5315, 0.6875

Inverse Universe

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



75.8025, 76.1653, 105.3139



72.4151, 71.9849, 104.6855



80.9421, 78.8148, 105.5544



17.1608, 17.4591, 22.7154



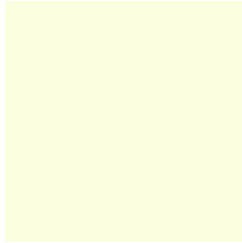
9.6796, 3.9005, 49.6773



0.9931, 0.4059, 4.8393

Previews

White Background



This preview shows how the XYZ color 89.2242, 97.5432, 83.9371 looks on a white background.

Color Contrast Check

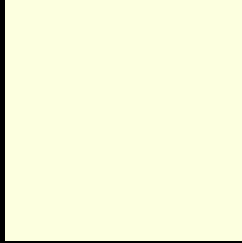
Large Text (above 18pt) WCAG AA × Fail

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 89.2242, 97.5432, 83.9371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

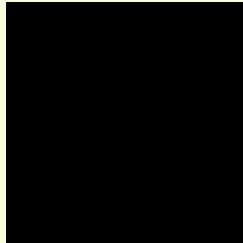
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.2242, 97.5432, 83.9371

Background



This preview shows how black text looks on a background with the XYZ color 89.2242, 97.5432, 83.9371.



This preview shows how white text looks on a background with the XYZ color 89.2242, 97.5432,

83.9371.

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

89.2242, 97.5432, 83.9371



Protanopia

92.5318, 97.4734, 100.3235

Deuteranopia

93.3057, 97.7829, 104.3987

Tritanopia

93.3684, 97.7235, 108.5492

Trichromacy



Original Color

89.2242, 97.5432, 83.9371



Protanomaly

91.2844, 97.4358, 94.1166

Deuteranomaly

91.7265, 97.6127, 96.4447

Tritanomaly

91.8110, 97.6043, 98.7946

Monochromacy



Original Color

89.2242, 97.5432, 83.9371



Achromatopsia

90.8653, 95.5973, 104.1055



Achromatomaly

90.3222, 96.4213, 96.2888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.2242, 97.5432, 83.9371 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(252, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 223)  
}
```

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(252, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 89.2242, 97.5432, 83.9371 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(252, 255, 223) }
```


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

```
.border{ border-color:rgb(252, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 89.2242, 97.5432, 83.9371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 223) }
```

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

```
.background{ background-color: rgb(252,  
255, 223) }
```

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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