

Converting Colors

XYZ(89.8461, 97.6536, 93.4635)

Have a look what the booklet for
XYZ(89.8461, 97.6536, 93.4635)
contains.

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Color

**XYZ(89.9672, 97.7159,
93.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFEC
RGB	249, 255, 236
RGB Percent	98%, 100%, 93%
CMY	0.0235, 0.0000, 0.0745
CMYK	0.02, 0.00, 0.07, 0.00
HSL	79°, 100%, 96%
HSV	79°, 7%, 100%
XYZ	89.9672, 97.7159, 93.4761
YIQ	251.0400, 2.5230, -7.1810

Conversions

Conversions Part 2

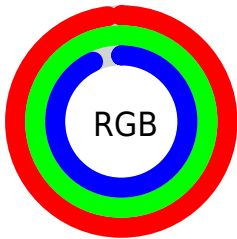
Format	Color
R _Y B	236, 255, 242
Decimal	16383980
CIE Lab	99.11, -5.23, 8.38
CIE LCh	99, 9.883, 121.985
Yxy	97.7159, 0.3200, 0.3475
Android (android.graphics.Color)	4294574060 (0xFF99FFEC)
YUV	251.0400, -7.4147, -1.7891
Hunter-Lab	98.8514, -10.5324, 13.1300

Details

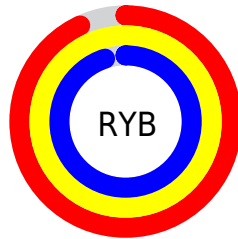
The XYZ color 89.9672, 97.7159, 93.4761 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.6642, 86.0893, 106.7624, and the grayscale version is 91.7852, 96.5652, 105.1595.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.4246, 55.0209, 51.1425 is the 20% darker color. If you saturate the color by 10%, you get 83.7138, 94.8900, 75.2045, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

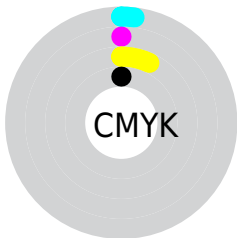
Distribution



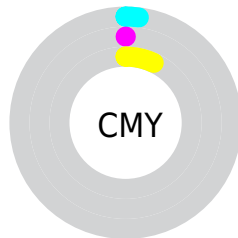
- Red (98%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (95%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 89.9672, 97.7159, 93.4761 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 89.9672, 97.7159, 93.4761 by changing the saturation by 10% instead.

89.9672, 97.7159,
93.4761

89.9672, 97.7159,
93.4761

516.1636,
552.8236, 560.1340

68.2896, 74.3975,
70.2774

146.1714,
158.0114, 154.1350

50.4079, 55.1194,
51.2745

181.4288,
195.7574, 192.4323

35.9568, 39.4973,
36.0489

221.9434,
239.0812, 236.5995

24.5708, 27.1468,
24.1820

268.0807,
288.3674, 287.0553

15.8846, 17.6835,
15.2552

320.2060,
344.0004, 344.2181

9.5328, 10.7230,
8.8501

378.6847,

5.1502, 5.8809,

406.3644, 408.5064

4.5481

443.8821,
475.8441, 480.3389

■ 2.3713, 2.7728,
1.9306

■ 0.8308, 1.0143,
0.5121

■ 89.9672, 97.7159,
93.4761

■ 89.9672, 97.7159,
93.4761

■ 83.7138, 94.8900,
75.2045

95.0500, 100.0000,
108.9000

■ 78.0879, 92.3292,
59.6056

■ 73.0649, 90.0234,
46.5550

■ 68.6172, 87.9614,
35.9167

■ 64.7151, 86.1311,
27.5419

■ 61.3255, 84.5191,
21.2656

■ 58.4113, 83.1104,
16.9002

■ 55.9286, 81.8872,
14.2247

■ 53.8212, 80.8268,
12.9512

Harmonies

Analogous

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



92.6839, 97.7159, 91.2887



89.9672, 97.7159, 93.4761



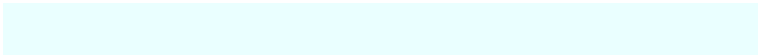
88.0622, 97.7159, 99.1037

Triad

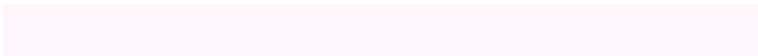
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9672, 97.7159, 93.4761



90.2936, 97.7159, 121.0538



98.5337, 97.7159, 105.8464

Complementary

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



89.9672, 97.7159, 93.4761



84.6642, 86.0893, 106.7624

Split Complementary

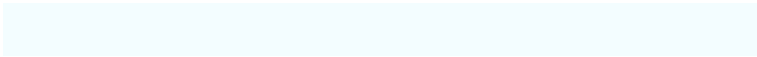
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8622, 97.7159, 114.0375



89.9672, 97.7159, 93.4761



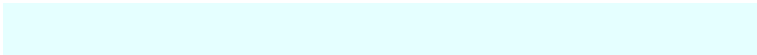
93.0684, 97.7159, 123.0844

Square

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



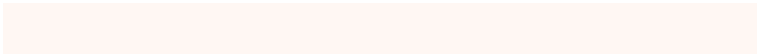
89.9672, 97.7159, 93.4761



88.2478, 97.7159, 115.0392



95.8469, 97.7159, 120.4547



97.6633, 97.7159, 98.1969

Rectangle

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



89.9672, 97.7159, 93.4761



87.4881, 97.7159, 104.1952



95.8469, 97.7159, 120.4547



98.4807, 97.7159, 108.6276

Sweetspot

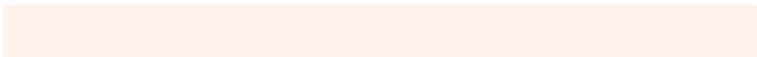
The Sweet Spot groups the original color and five complimentary colors.



89.9679, 97.7162, 93.4776



93.6497, 99.3717, 104.6051



88.0439, 90.6428, 92.2137



20.0596, 21.2762, 22.4348



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.



89.9679, 97.7162, 93.4776



88.9566, 97.2604, 90.4658



86.7684, 96.0668, 93.3278



18.9706, 20.7863, 19.1566



28.0239, 42.1849, 6.6655



2.8418, 4.1658, 0.6543

Inverse Universe

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



84.6642, 86.0893, 106.7624



82.6175, 83.3638, 106.3441



87.9019, 87.7584, 106.9139



17.5427, 17.6560, 22.7333



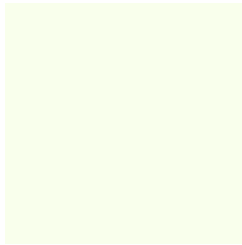
11.3186, 4.7454, 49.7540



1.2094, 0.5174, 4.8494

Previews

White Background



This preview shows how the XYZ color 89.9672, 97.7159, 93.4761 looks on a white background.

Color Contrast Check

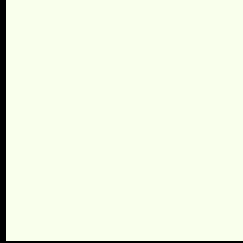
Large Text (above 18pt) WCAG AA × Fail

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 89.9672, 97.7159, 93.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

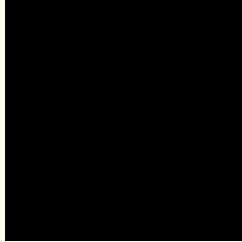
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.9672, 97.7159, 93.4761

Background



This preview shows how black text looks on a background with the XYZ color 89.9672, 97.7159, 93.4761.



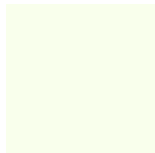
This preview shows how white text looks on a background with the XYZ color 89.9672, 97.7159,

93.461.

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

89.9672, 97.7159, 93.4761



Protanopia

92.8389, 97.5962, 101.9405

Deuteranopia

93.4630, 97.8458, 105.2269

Tritanopia

93.3684, 97.7235, 108.5492

Trichromacy



Original Color

89.9672, 97.7159, 93.4761

Protanomaly

91.8110, 97.6043, 98.7946

Deuteranomaly

92.2678, 97.7870, 101.2005

Tritanomaly

92.2134, 97.7233, 102.8093

Monochromacy



Original Color

89.9672, 97.7159, 93.4761



Achromatopsia

91.6934, 96.4686, 105.0543

Achromatomaly

90.8693, 96.5986, 101.0449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.9672, 97.7159, 93.4761 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(249, 255, 236) looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 236)  
}
```

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(249, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 89.9672, 97.7159, 93.4761 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(249, 255, 236) }
```


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

```
.border{ border-color:rgb(249, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 89.9672, 97.7159, 93.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 236) }
```

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

```
.background{ background-color: rgb(249,  
255, 236) }
```

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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