

Converting Colors

XYZ(90.5815, 100.0000,
85.7571)

Have a look what the booklet for
XYZ(90.5815, 100.0000, 85.7571)
contains.

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Color

**XYZ(89.4955, 97.6517,
85.3659)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFFE1
RGB	252, 255, 225
RGB Percent	99%, 100%, 88%
CMY	0.0118, 0.0000, 0.1176
CMYK	0.01, 0.00, 0.12, 0.00
HSL	66°, 100%, 94%
HSV	66°, 12%, 100%
XYZ	89.4955, 97.6517, 85.3659
YIQ	250.6830, 7.8420, -9.9660

Conversions

Conversions Part 2

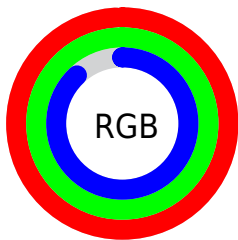
Format	Color
R_YB	225, 255, 228
Decimal	16580577
CIE Lab	99.08, -5.99, 14.00
CIE LCh	99, 15.229, 113.144
Yxy	97.6517, 0.3284, 0.3583
Android (android.graphics.Color)	4294770657 (0xFFFCFFE1)
YUV	250.6830, -12.6617, 1.1550
Hunter-Lab	98.8189, -11.2742, 17.9548

Details

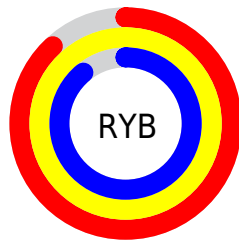
The XYZ color 89.4955, 97.6517, 85.3659 is a light color, and the websafe version is hex FFFCC. A complement of this color would be 76.9709, 77.5656, 105.5226, and the grayscale version is 91.5279, 96.2945, 104.8647.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9555, 54.8925, 45.9926 is the 20% darker color. If you saturate the color by 10%, you get 85.3554, 95.8898, 68.3488, and if you desaturate by 10%, it is 94.1689, 99.6285, 105.1227.

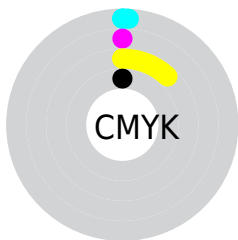
Distribution



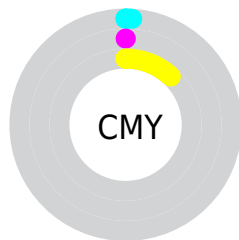
- Red (99%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.4955, 97.6517, 85.3659 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 89.4955, 97.6517, 85.3659 by changing the saturation by 10% instead.


 89.4955, 97.6517,
85.3659

 89.4955, 97.6517,
85.3659


514.6508,
552.6197, 533.0142

 67.8972, 74.3439,
63.5919


145.5193,
157.9230, 142.7630

 50.0875, 55.0756,
45.8761


180.6756,
195.6553, 179.2231

 35.7010, 39.4622,
31.8001


221.0818,
238.9646, 221.4157

 24.3724, 27.1195,
20.9453

267.1034,
288.2353, 269.7592

 15.7363, 17.6630,
12.8932

319.1058,
343.8518, 324.6723

 9.4274, 10.7083,
7.2252

377.4542,

 5.0803, 5.8711,

406.1984, 386.5735

3.5227

442.5141,
475.6596, 455.8813

■ 2.3297, 2.7668,
1.3674

■ 0.8098, 1.0112,
0.1161

■ 89.4955, 97.6517,
85.3659

■ 89.4955, 97.6517,
85.3659

■ 85.3554, 95.8898,
68.3488

■ 94.1689, 99.6285,
105.1227

■ 81.7236, 94.3325,
53.9461

■ 95.0500, 100.0000,
108.9000

■ 78.5761, 92.9704,
42.0294

■ 75.8860, 91.7927,
32.4577

■ 73.6239, 90.7876,
25.0757

■ 71.7566, 89.9418,
19.7098

■ 70.2462, 89.2401,
16.1597

■ 69.0467, 88.6643,
14.1843

■ 68.2353, 88.2616,
13.4398

Harmonies

Analogous

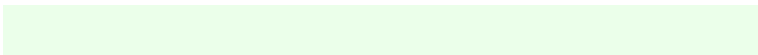
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8392, 97.6517, 83.8245



89.4955, 97.6517, 85.3659



86.1417, 97.6517, 92.3074

Triad

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



89.4955, 97.6517, 85.3659



87.7815, 97.6517, 127.1428



101.5636, 97.6517, 109.2754

Complementary

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



89.4955, 97.6517, 85.3659



76.9709, 77.5656, 105.5226

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.



99.8244, 97.6517, 121.6968



89.4955, 97.6517, 85.3659



91.7983, 97.6517, 132.5322

Square

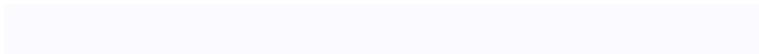
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



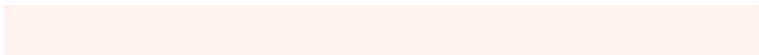
89.4955, 97.6517, 85.3659



85.1744, 97.6517, 116.2418



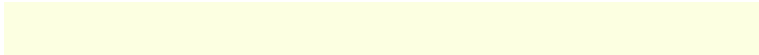
96.2156, 97.6517, 130.4638



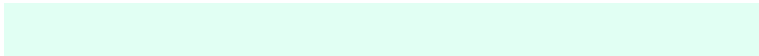
100.8994, 97.6517, 96.9910

Rectangle

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



89.4955, 97.6517, 85.3659



84.8719, 97.6517, 99.3840



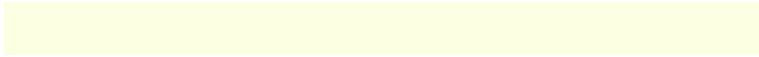
96.2156, 97.6517, 130.4638



101.2388, 97.6517, 113.5842

Sweetspot

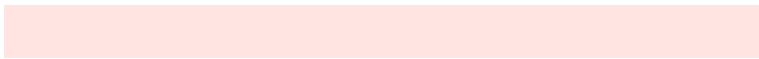
The Sweet Spot groups the original color and five complimentary colors.



89.4962, 97.6520, 85.3673



93.0767, 99.1675, 100.4618



82.4374, 81.9094, 82.7008



19.8449, 21.1933, 21.1741



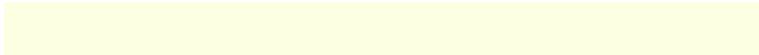
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



89.4962, 97.6520, 85.3673



88.5249, 97.2397, 81.3285



84.4435, 95.0473, 85.1309



19.3717, 20.9931, 19.1754



35.7273, 46.1562, 7.0260



3.5282, 4.5196, 0.6864

Inverse Universe

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



76.9709, 77.5656, 105.5226



73.8509, 73.7069, 104.9422



81.7658, 80.0375, 105.7470



17.1714, 17.4646, 22.7159



9.7024, 3.9123, 49.6784



0.9981, 0.4085, 4.8395

Previews

White Background



This preview shows how the XYZ color 89.4955, 97.6517, 85.3659 looks on a white background.

Color Contrast Check

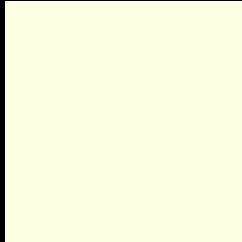
Large Text (above 18pt) WCAG AA × Fail

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 89.4955, 97.6517, 85.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

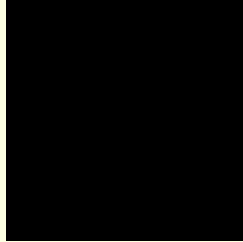
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.4955, 97.6517, 85.3659

Background



This preview shows how black text looks on a background with the XYZ color 89.4955, 97.6517, 85.3659.



This preview shows how white text looks on a background with the XYZ color 89.4955, 97.6517,

85.3659.

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

89.4955, 97.6517, 85.3659



Protanopia

92.6850, 97.5346, 101.1298

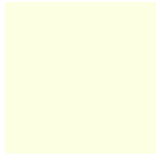
Deuteranopia

93.4630, 97.8458, 105.2269

Tritanopia

93.3684, 97.7235, 108.5492

Trichromacy



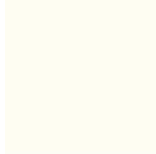
Original Color

89.4955, 97.6517, 85.3659



Protanomaly

91.4309, 97.4944, 94.8883



Deuteranomaly

92.0253, 97.7322, 98.0183



Tritanomaly

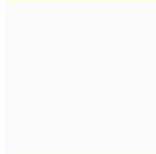
91.9624, 97.6649, 99.5922

Monochromacy



Original Color

89.4955, 97.6517, 85.3659



Achromatopsia

91.6934, 96.4686, 105.0543



Achromatomaly

90.6211, 96.5408, 97.8624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.4955, 97.6517, 85.3659 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 89.4955, 97.6517, 85.3659 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, 225) }
```


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

```
.border{ border-color:rgb(252, 255, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 89.4955, 97.6517, 85.3659 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, 225) }
```

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

```
.background{ background-color: rgb(252,  
255, 225) }
```

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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