

Converting Colors

XYZ(85.2564, 100.0000,
70.5924)

Have a look what the booklet for
XYZ(85.2564, 100.0000, 70.5924)
contains.

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Color

**XYZ(82.3559, 94.3095,
69.7401)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFCA
RGB	240, 255, 202
RGB Percent	94%, 100%, 79%
CMY	0.0588, 0.0000, 0.2078
CMYK	0.06, 0.00, 0.21, 0.00
HSL	77°, 100%, 90%
HSV	77°, 21%, 100%
XYZ	82.3559, 94.3095, 69.7401
YIQ	244.4730, 8.0730, -19.6630

Conversions

Conversions Part 2

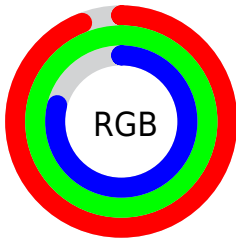
Format	Color
R_{YB}	202, 255, 217
Decimal	15794122
CIE _{Lab}	97.76, -13.66, 23.73
CIE _{LCh}	98, 27.380, 119.916
Yxy	94.3095, 0.3342, 0.3827
Android (android.graphics.Color)	4293984202 (0xFFFF0FFCA)
YUV	244.4730, -20.9392, -3.9228
Hunter-Lab	97.1131, -18.5725, 25.4011

Details

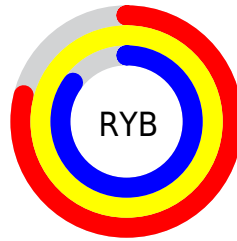
The XYZ color **82.3559, 94.3095, 69.7401** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.7867, 64.2140, 103.4295**, and the grayscale version is **86.5253, 91.0314, 99.1332**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3065, 52.7166, 35.8044** is the 20% darker color. If you saturate the color by 10%, you get **77.1801, 91.9619, 55.0179**, and if you desaturate by 10%, it is **88.1292, 96.9076, 87.0972**.

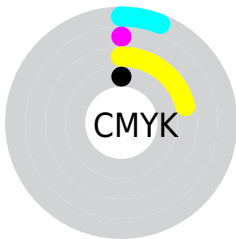
Distribution



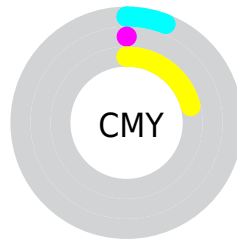
- Red (94%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (85%)



- Cyan (6%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.3559, 94.3095, 69.7401 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 82.3559, 94.3095, 69.7401 by changing the saturation by 10% instead.

 82.3559, 94.3095,
69.7401

 82.3559, 94.3095,
69.7401


491.4539,
541.9521, 478.4014

 61.9740, 71.5604,
50.8392

135.6062,
153.3103, 120.5157

 45.2672, 52.7997,
35.7048


169.2054,
190.3308, 153.2274

 31.8702, 37.6429,
23.9184


207.9410,
232.8772, 191.3799

 21.4174, 25.7056,
15.0615

252.1785,
281.3340, 235.3915

 13.5437, 16.6035,
8.7154

302.2831,
336.0854, 285.6810

 7.8835, 9.9522,
4.4618

358.6204,

 4.0717, 5.3673,

397.5160, 342.6668

1.8819

421.5555,
466.0101, 406.7674

■ 1.7428, 2.4643,
0.4812

■ 0.4828, 0.8587,
0.0000

■ 82.3559, 94.3095,
69.7401

■ 82.3559, 94.3095,
69.7401

■ 77.1801, 91.9619,
55.0179

■ 88.1292, 96.9076,
87.0972

■ 72.5746, 89.8533,
42.7975

■ 94.5223, 99.7649,
107.2051

■ 68.5123, 87.9731,
32.9402

■ 95.0500, 100.0000,
108.9000

■ 64.9627, 86.3088,
25.2925

■ 61.8921, 84.8469,
19.6827

■ 59.2620, 83.5717,
15.9135

■ 57.0261, 82.4646,
13.7489

■ 55.2485, 81.5667,
12.8320

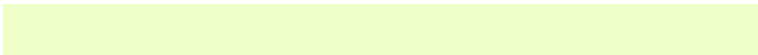
Harmonies

Analogous

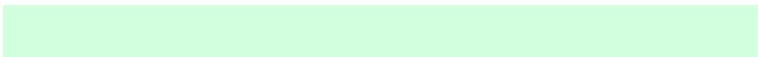
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6603, 94.3095, 65.4058



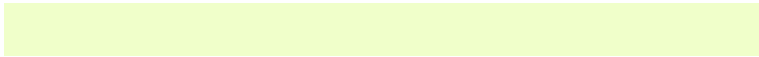
82.3559, 94.3095, 69.7401



77.2626, 94.3095, 82.6031

Triad

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



82.3559, 94.3095, 69.7401



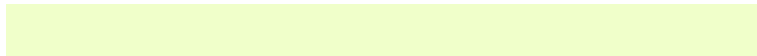
82.3199, 94.3095, 144.5754



105.5087, 94.3095, 102.7500

Complementary

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



82.3559, 94.3095, 69.7401



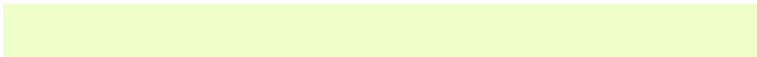
67.7867, 64.2140, 103.4295

Split Complementary

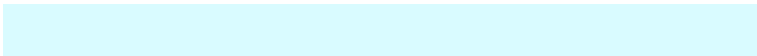
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.2697, 94.3095, 125.7880



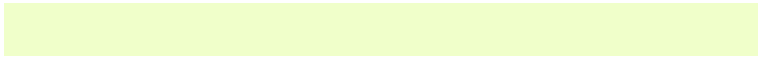
82.3559, 94.3095, 69.7401



89.6164, 94.3095, 151.9754

Square

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



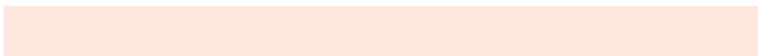
82.3559, 94.3095, 69.7401



77.2427, 94.3095, 125.6631



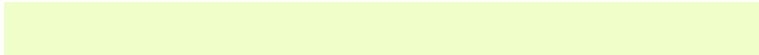
97.3379, 94.3095, 144.6545



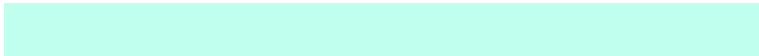
103.2939, 94.3095, 82.6975

Rectangle

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



82.3559, 94.3095, 69.7401



75.6520, 94.3095, 95.3397



97.3379, 94.3095, 144.6545



105.2504, 94.3095, 110.4024

Sweetspot

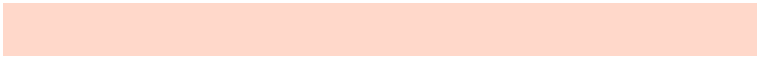
The Sweet Spot groups the original color and five complimentary colors.



82.3565, 94.3098, 69.7415



91.1085, 98.2414, 96.3652



76.4914, 74.7053, 66.2666



19.4121, 20.9880, 20.3472



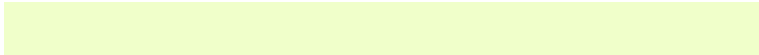
0.0000, 0.0000, 0.0000



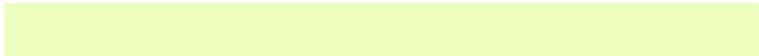
20.3446, 21.4041, 23.3091

Same Dimension

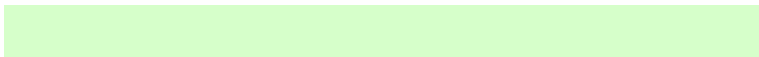
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3565, 94.3098, 69.7415



80.1025, 93.2899, 63.2195



74.2601, 90.1360, 69.3626



19.0308, 20.8173, 19.1594



29.0222, 42.6996, 6.7122



2.9329, 4.2127, 0.6586

Inverse Universe

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



67.7867, 64.2140, 103.4295



63.1126, 58.1887, 102.5129



76.0070, 68.4517, 103.8142



17.4857, 17.6266, 22.7306



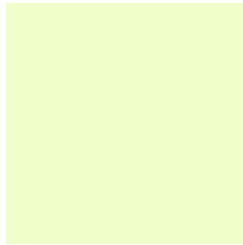
10.9596, 4.5604, 49.7372



1.1686, 0.4963, 4.8475

Previews

White Background



This preview shows how the XYZ color 82.3559, 94.3095, 69.7401 looks on a white background.

Color Contrast Check

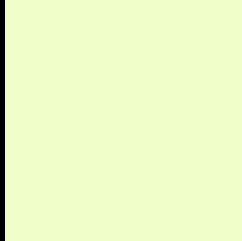
Large Text (above 18pt) WCAG AA × Fail

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 82.3559, 94.3095, 69.7401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

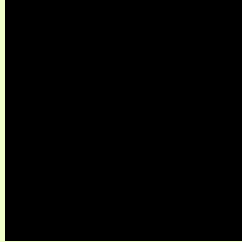
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

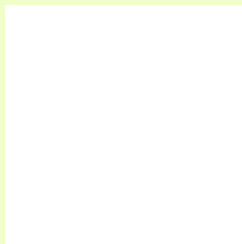
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.3559, 94.3095, 69.7401

Background



This preview shows how black text looks on a background with the XYZ color 82.3559, 94.3095, 69.7401.

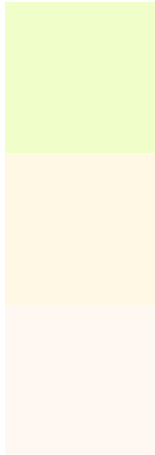


This preview shows how white text looks on a background with the XYZ color 82.3559, 94.3095,

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

82.3559, 94.3095, 69.7401

Protanopia

88.9503, 94.0519, 87.5944

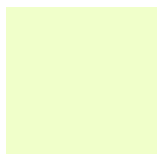
Deuteranopia

90.5278, 94.1923, 97.4140

Tritanopia

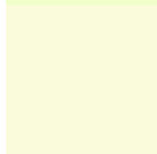
90.6843, 94.4945, 108.0674

Trichromacy



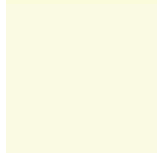
Original Color

82.3559, 94.3095, 69.7401



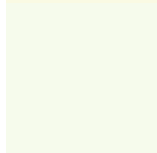
Protanomaly

86.7077, 94.4328, 80.6752



Deuteranomaly

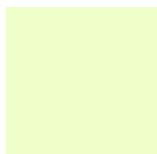
87.4751, 94.2413, 86.2530



Tritanomaly

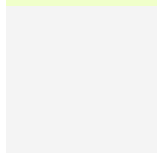
87.6435, 94.6433, 93.0056

Monochromacy



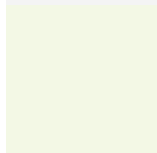
Original Color

82.3559, 94.3095, 69.7401



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.6724, 91.8466, 87.3942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3559, 94.3095, 69.7401 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(240, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 202)  
}
```

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(240, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 82.3559, 94.3095, 69.7401 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(240, 255, 202) }
```


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

```
.border{ border-color:rgb(240, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3559, 94.3095, 69.7401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 202) }
```

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

```
.background{ background-color: rgb(240,  
255, 202) }
```

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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