

Converting Colors

XYZ(86.3347, 102.7020,
70.9664)

Have a look what the booklet for
XYZ(86.3347, 102.7020, 70.9664)
contains.

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Color

**XYZ(82.0173, 94.1350,
69.7242)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFCA
RGB	239, 255, 202
RGB Percent	94%, 100%, 79%
CMY	0.0627, 0.0000, 0.2078
CMYK	0.06, 0.00, 0.21, 0.00
HSL	78°, 100%, 90%
HSV	78°, 21%, 100%
XYZ	82.0173, 94.1350, 69.7242
YIQ	244.1740, 7.4770, -19.8750

Conversions

Conversions Part 2

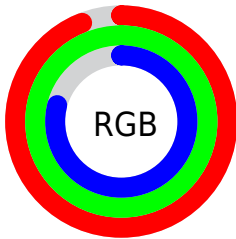
Format	Color
R_{YB}	202, 255, 218
Decimal	15728586
CIE _{Lab}	97.69, -14.01, 23.62
CIE _{LCh}	98, 27.464, 120.664
Yxy	94.1350, 0.3336, 0.3829
Android (android.graphics.Color)	4293918666 (0xFFEFFFCA)
YUV	244.1740, -20.7918, -4.5376
Hunter-Lab	97.0232, -18.8979, 25.3084

Details

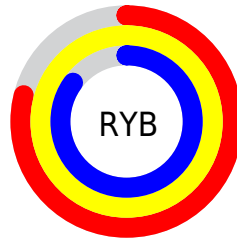
The XYZ color **82.0173, 94.1350, 69.7242** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.0849, 64.3677, 103.4435**, and the grayscale version is **86.2847, 90.7782, 98.8575**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0678, 52.5936, 35.7932** is the 20% darker color. If you saturate the color by 10%, you get **76.6991, 91.7139, 54.9954**, and if you desaturate by 10%, it is **87.9462, 96.8133, 87.0885**.

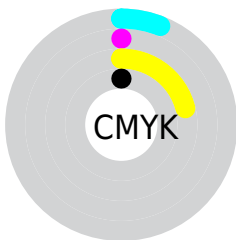
Distribution



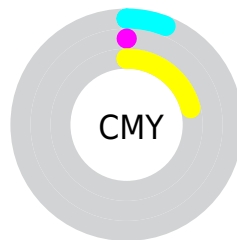
- Red (94%)
- Green (100%)
- Blue (79%)



- 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 82.0173, 94.1350, 69.7242 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 82.0173, 94.1350, 69.7242 by changing the saturation by 10% instead.

82.0173, 94.1350,
69.7242

82.0173, 94.1350,
69.7242

490.3392,
541.3921, 478.3440

61.6940, 71.4152,
50.8263

135.1340,
153.0690, 120.4928

45.0401, 52.6811,
35.6946

168.6580,
190.0521, 153.2006

31.6904, 37.5483,
23.9106

207.3129,
232.5584, 191.3487

21.2796, 25.6323,
15.0557

251.4642,
280.9723, 235.3558

13.4421, 16.5488,
8.7115

301.4771,
335.6782, 285.6403

7.8128, 9.9133,
4.4592

357.7170,

4.0262, 5.3415,

397.0606, 342.6208

1.8805

420.5492,
465.5037, 406.7158

■ 1.7170, 2.4490,
0.4803

■ 0.4668, 0.8509,
0.0000

■ 82.0173, 94.1350,
69.7242

■ 82.0173, 94.1350,
69.7242

■ 76.6991, 91.7139,
54.9954

■ 87.9462, 96.8133,
87.0885

■ 71.9642, 89.5387,
42.7689

■ 94.5084, 99.7578,
107.2044

■ 67.7852, 87.5983,
32.9062

■ 95.0500, 100.0000,
108.9000

■ 64.1316, 85.8803,
25.2536

■ 60.9691, 84.3710,
19.6394

■ 58.2591, 83.0547,
15.8665

■ 55.9551, 81.9125,
13.6988

■ 54.1247, 80.9873,
12.7795

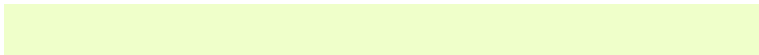
Harmonies

Analogous

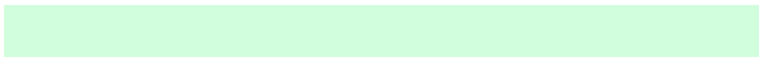
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2982, 94.1350, 65.1696



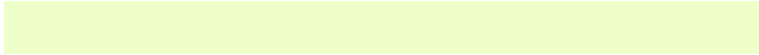
82.0173, 94.1350, 69.7242



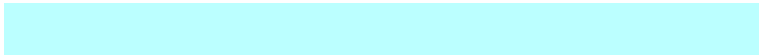
76.9882, 94.1350, 82.8046

Triad

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



82.0173, 94.1350, 69.7242



82.3026, 94.1350, 144.8309



105.3741, 94.1350, 101.9985

Complementary

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



82.0173, 94.1350, 69.7242



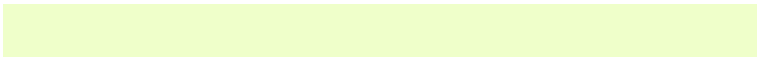
68.0849, 64.3677, 103.4435

Split Complementary

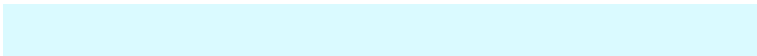
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.2383, 94.1350, 125.0875



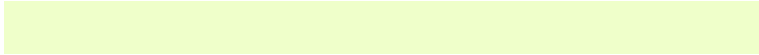
82.0173, 94.1350, 69.7242



89.6470, 94.1350, 151.8964

Square

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



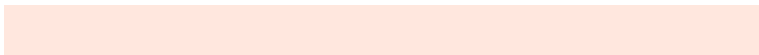
82.0173, 94.1350, 69.7242



77.1460, 94.1350, 126.0778



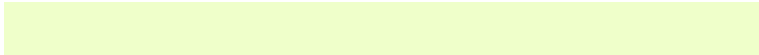
97.3663, 94.1350, 144.2030



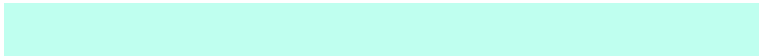
103.0466, 94.1350, 82.0566

Rectangle

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



82.0173, 94.1350, 69.7242



75.4338, 94.1350, 95.6654



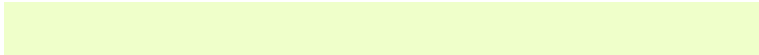
97.3663, 94.1350, 144.2030



105.1531, 94.1350, 109.6463

Sweetspot

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



82.0178, 94.1352, 69.7256



91.0047, 98.1879, 96.3603



76.9468, 75.6161, 66.4183



19.3875, 20.9753, 20.3460



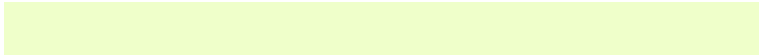
0.0000, 0.0000, 0.0000



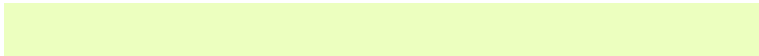
20.3446, 21.4041, 23.3091

Same Dimension

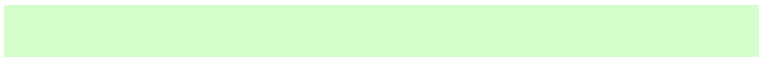
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0178, 94.1352, 69.7256



79.7023, 93.0836, 63.2008



73.7461, 89.8710, 69.3385



18.9961, 20.7994, 19.1578



28.4398, 42.3993, 6.6850



2.8799, 4.1854, 0.6561

Inverse Universe

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



68.0849, 64.3677, 103.4435



63.4549, 58.3652, 102.5289



76.6184, 68.7669, 103.8429



17.5185, 17.6435, 22.7322



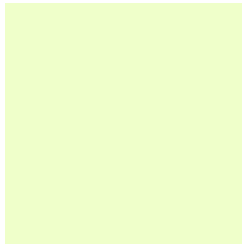
11.1611, 4.6642, 49.7466



1.1917, 0.5083, 4.8486

Previews

White Background



This preview shows how the XYZ color 82.0173, 94.1350, 69.7242 looks on a white background.

Color Contrast Check

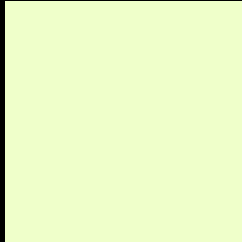
Large Text (above 18pt) WCAG AA × Fail

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 82.0173, 94.1350, 69.7242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

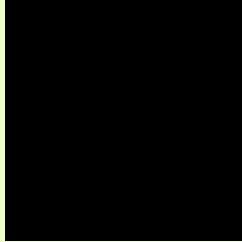
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

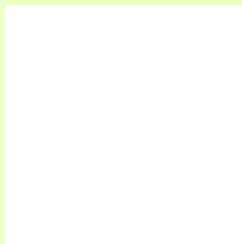
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.0173, 94.1350, 69.7242

Background



This preview shows how black text looks on a background with the XYZ color 82.0173, 94.1350, 69.7242.



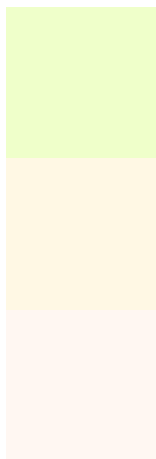
This preview shows how white text looks on a background with the XYZ color 82.0173, 94.1350,

69.7242.

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

82.0173, 94.1350, 69.7242

Protanopia

88.8110, 93.9962, 86.8610

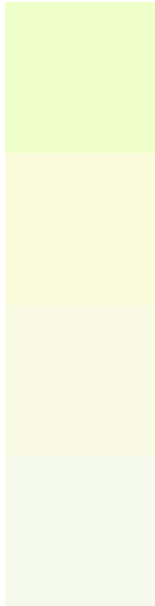
Deuteranopia

90.5278, 94.1923, 97.4140

Tritanopia

90.0222, 93.6980, 107.9486

Trichromacy



Original Color

82.0173, 94.1350, 69.7242

Protanomaly

86.3503, 94.2486, 80.6585

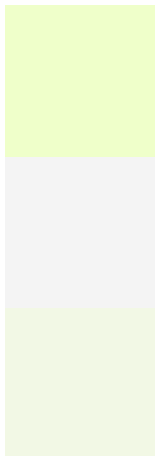
Deuteranomaly

87.1177, 94.0570, 86.2363

Tritanomaly

86.9821, 93.8398, 92.8853

Monochromacy



Original Color

82.0173, 94.1350, 69.7242

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.3282, 91.6692, 87.3781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0173, 94.1350, 69.7242 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(239, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 82.0173, 94.1350, 69.7242 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(239, 255, 202) }
```


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

```
.border{ border-color:rgb(239, 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(239, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0173, 94.1350, 69.7242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 202) }
```

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

```
.background{ background-color: rgb(239,  
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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