

Converting Colors

XYZ(69.8043, 82.5003, 39.4949)

Have a look what the booklet for
XYZ(69.8043, 82.5003, 39.4949)
contains.

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Color

**XYZ(69.8954, 82.5685,
39.4476)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F292
RGB	231, 242, 146
RGB Percent	91%, 95%, 57%
CMY	0.0941, 0.0510, 0.4274
CMYK	0.05, 0.00, 0.40, 0.05
HSL	67°, 79%, 76%
HSV	67°, 40%, 95%
XYZ	69.8954, 82.5685, 39.4476
YIQ	227.7670, 24.2600, -32.1880

Conversions

Conversions Part 2

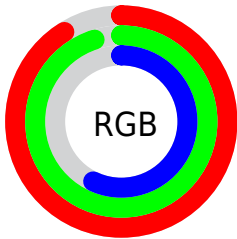
Format	Color
R_{YB}	146, 242, 157
Decimal	15200914
CIE _{Lab}	92.83, -17.77, 45.05
CIE _{LCh}	93, 48.429, 111.521
Yxy	82.5685, 0.3642, 0.4302
Android (android.graphics.Color)	4293390994 (0xFFE7F292)
YUV	227.7670, -40.3111, 2.8353
Hunter-Lab	90.8672, -21.7147, 37.8679

Details

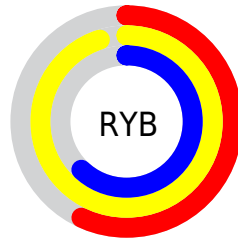
The XYZ color **69.8954, 82.5685, 39.4476** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.2137, 34.1388, 88.4792**, and the grayscale version is **73.8472, 77.6930, 84.6076**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **37.0348, 44.9246, 17.3091** is the 20% darker color. If you saturate the color by 10%, you get **67.3210, 81.4390, 30.5193**, and if you desaturate by 10%, it is **72.8866, 83.8721, 50.4786**.

Distribution



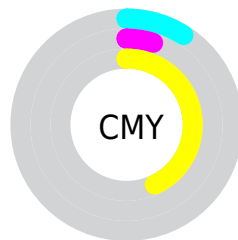
- Red (91%)
- Green (95%)
- Blue (57%)



- Red (57%)
- Yellow (95%)
- Blue (62%)



- Cyan (5%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)





- Cyan (9%)
- Magenta (5%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8954, 82.5685, 39.4476 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 69.8954, 82.5685, 39.4476 by changing the saturation by 10% instead.

 69.8954, 82.5685,
39.4476

 69.8954, 82.5685,
39.4476


449.4548,
503.5473, 359.2724

 51.7206, 61.8342,
26.7976


 118.0867,
136.9709, 75.5495

 37.0057, 44.8988,
17.1902


 148.8338,
171.4079, 99.8384

 25.3856, 31.3777,
10.2068


184.5024,
211.1813, 128.8441

 16.4949, 20.8866,
5.4289

225.4578,
256.6754, 162.9850

 9.9681, 13.0412,
2.4379

272.0654,
308.2746, 202.6798

 5.4399, 7.4569,
0.8070

324.6905,

 2.5450, 3.7494,

366.3635, 248.3469

0.0000

383.6985,
431.3262, 300.4049

0.9180, 1.5344,
0.0000

0.0000, 0.3128,
0.0000

69.8954, 82.5685,
39.4476

69.8954, 82.5685,
39.4476

67.3210, 81.4390,
30.5193

72.8866, 83.8721,
50.4786

65.1319, 80.4624,
23.5549


76.3116, 85.3481,
63.7290

63.3017, 79.6309,
18.4072


80.1940, 87.0086,
79.3130


61.7981, 78.9317,
14.9062


84.5537, 88.8618,
97.3355


 60.5826, 78.3494,
12.8496


 87.4156, 90.1174,
107.3948


 59.5930, 77.8590,
11.9104

 88.3902, 90.6199,
107.4405

 59.5619, 77.8434,
11.8860

 89.3794, 91.1298,
107.4868

 90.3832, 91.6473,
107.5337

 91.0440, 91.9879,
107.5647

Harmonies

Analogous

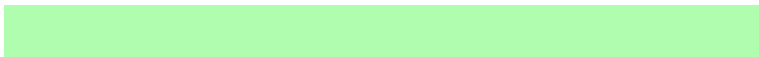
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1177, 82.5685, 37.1314



69.8954, 82.5685, 39.4476



60.9468, 82.5685, 53.1714

Triad

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



69.8954, 82.5685, 39.4476



64.3051, 82.5685, 156.1526



105.0590, 82.5685, 100.5630

Complementary

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



69.8954, 82.5685, 39.4476



40.2137, 34.1388, 88.4792

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.



99.0869, 82.5685, 140.5479



69.8954, 82.5685, 39.4476



74.9492, 82.5685, 177.8294

Square

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



69.8954, 82.5685, 39.4476



57.9686, 82.5685, 117.9348



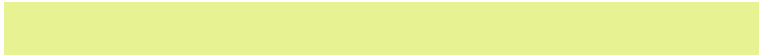
87.7378, 82.5685, 171.4584



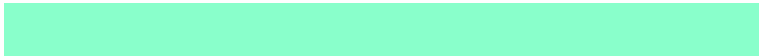
103.3329, 82.5685, 66.7073

Rectangle

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



69.8954, 82.5685, 39.4476



57.6087, 82.5685, 69.5943



87.7378, 82.5685, 171.4584



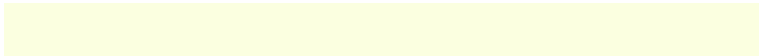
103.8640, 82.5685, 113.8220

Sweetspot

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



69.8974, 82.5722, 39.4493



89.2300, 97.5243, 84.9269



53.6306, 44.5977, 32.9769



18.9734, 20.8206, 17.6709



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

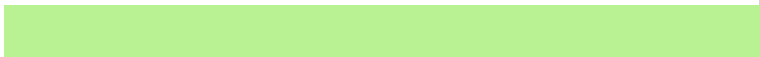
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8974, 82.5722, 39.4493



76.2306, 91.8975, 35.7659



56.8066, 75.8237, 38.8367



16.9341, 18.3617, 16.8014



32.0700, 41.8543, 6.3884



2.7181, 3.5078, 0.5338

Inverse Universe

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



40.2137, 34.1388, 88.4792



38.3497, 30.0549, 98.3877



51.1009, 39.7514, 88.9887



15.0655, 15.3155, 19.8838



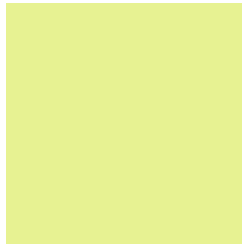
8.9201, 3.6039, 45.3534



0.7968, 0.3280, 3.7755

Previews

White Background



This preview shows how the XYZ color 69.8954, 82.5685, 39.4476 looks on a white background.

Color Contrast Check

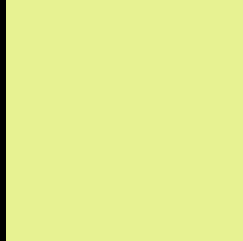
Large Text (above 18pt) WCAG AA × Fail

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 69.8954, 82.5685, 39.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

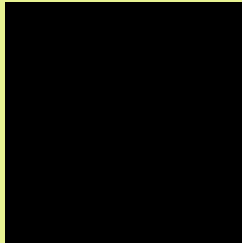
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8954, 82.5685, 39.4476

Background



This preview shows how black text looks on a background with the XYZ color 69.8954, 82.5685, 39.4476.

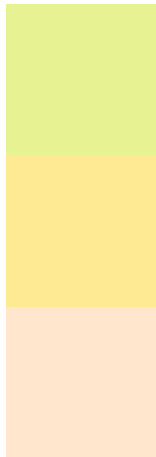


This preview shows how white text looks on a background with the XYZ color 69.8954, 82.5685,

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

69.8954, 82.5685, 39.4476

Protanopia

76.0081, 82.2438, 39.8855

Deuteranopia

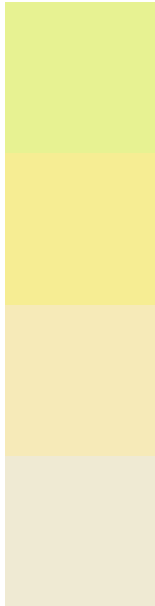
80.5563, 82.2614, 69.3899



Tritanopia

82.2022, 82.4256, 100.3841

Trichromacy



Original Color

69.8954, 82.5685, 39.4476

Protanomaly

73.5567, 82.2678, 39.6062

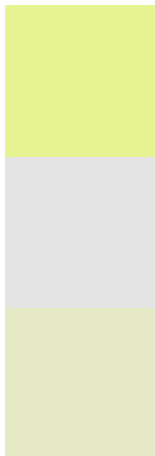
Deuteranomaly

76.0806, 81.8992, 57.1456

Tritanomaly

76.7773, 81.8995, 73.3896

Monochromacy



Original Color

69.8954, 82.5685, 39.4476

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

71.6451, 79.0131, 64.9010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8954, 82.5685, 39.4476 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(231, 242, 146)` looks like.

```
.text, #text, p{  
    color:rgb(231, 242, 146)  
}
```

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(231, 242, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 242, 146) }
```

Border

The CSS property to change the border of an element to XYZ 69.8954, 82.5685, 39.4476 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(231, 242, 146) }
```


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

```
.border{ border-color:rgb(231, 242, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 242, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 242, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 242, 146);  
box-shadow:4px 4px 4px 4px rgb(231, 242,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8954, 82.5685, 39.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 242, 146) }
```

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

```
.background{ background-color: rgb(231,  
242, 146) }
```

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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