

Converting Colors

XYZ(69.5692, 82.0336, 49.7726)

Have a look what the booklet for
XYZ(69.5692, 82.0336, 49.7726)
contains.

XYZ(69.6540, 82.2161, 49.7343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.6540, 82.2161,
49.7343)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F2A9
RGB	224, 242, 169
RGB Percent	88%, 95%, 66%
CMY	0.1216, 0.0510, 0.3372
CMYK	0.07, 0.00, 0.30, 0.05
HSL	75°, 74%, 81%
HSV	75°, 30%, 95%
XYZ	69.6540, 82.2161, 49.7343
YIQ	228.2960, 12.7050, -26.5190

Conversions

Conversions Part 2

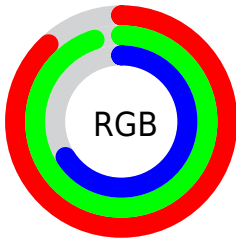
Format	Color
RYB	169, 242, 187
Decimal	14742185
CIELab	92.67, -17.62, 33.34
CIElCh	93, 37.705, 117.856
Yxy	82.2161, 0.3455, 0.4078
Android (android.graphics.Color)	4292932265 (0xFFE0F2A9)
YUV	228.2960, -29.2329, -3.7676
Hunter-Lab	90.6731, -21.5563, 30.9505

Details

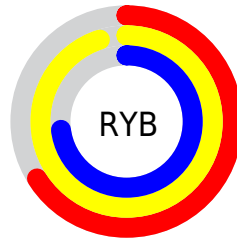
The XYZ color **69.6540, 82.2161, 49.7343** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.7118, 45.3538, 90.0904**, and the grayscale version is **74.1622, 78.0244, 84.9686**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **36.8597, 44.7036, 23.2089** is the 20% darker color. If you saturate the color by 10%, you get **65.7723, 80.4562, 38.7711**, and if you desaturate by 10%, it is **74.0254, 84.1849, 62.9187**.

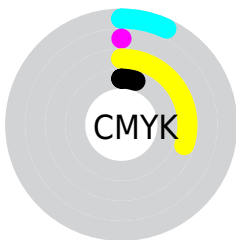
Distribution



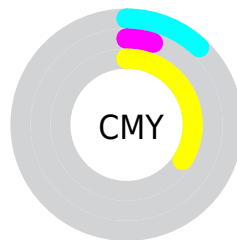
- Red (88%)
- Green (95%)
- Blue (66%)



- Red (66%)
- Yellow (95%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)



- Cyan (12%)
- Magenta (5%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6540, 82.2161, 49.7343 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 69.6540, 82.2161, 49.7343 by changing the saturation by 10% instead.

69.6540, 82.2161,
49.7343

69.6540, 82.2161,
49.7343

448.6196,
502.3703, 402.3312

51.5231, 61.5437,
34.8326

117.7442,
136.4770, 91.1733

36.8478, 44.6641,
23.2515

148.4341,
170.8343, 118.5478

25.2628, 31.1929,
14.5722

184.0411,
210.5220, 150.9169

16.4027, 20.7458,
8.3765

224.9306,
255.9244, 188.6992

9.9022, 12.9383,
4.2456

271.4678,
307.4261, 232.3132

5.3960, 7.3861,
1.7610

324.0181,

2.5185, 3.7047,

365.4114, 282.1775

0.4020

382.9469,
430.2646, 338.7107

■ 0.9046, 1.5098,
0.0000

■ 0.0000, 0.2956,
0.0000

■ 69.6540, 82.2161,
49.7343

■ 69.6540, 82.2161,
49.7343

■ 65.7723, 80.4562,
38.7711

■ 74.0254, 84.1849,
62.9187

■ 62.3501, 78.8848,
29.9013

■ 78.9023, 86.3608,
78.4319

■ 59.3633, 77.4949,
22.9925

■ 84.3074, 88.7555,
96.3811

■ 56.7829, 76.2748,
17.8949

■ 88.4712, 90.6615,
107.4442

■ 54.5756, 75.2111,
14.4370

■ 90.6200, 91.7692,
107.5448

■ 52.7019, 74.2880,
12.4146

■ 91.0439, 91.9877,
107.5646

■ 51.1204, 73.4915,
11.4910

Harmonies

Analogous

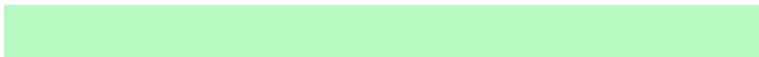
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8521, 82.2161, 45.6451



69.6540, 82.2161, 49.7343



63.2300, 82.2161, 63.7337

Triad

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



69.6540, 82.2161, 49.7343



68.5275, 82.2161, 143.5199



98.5592, 82.2161, 91.5566

Complementary

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



69.6540, 82.2161, 49.7343



50.7118, 45.3538, 90.0904

Split Complementary

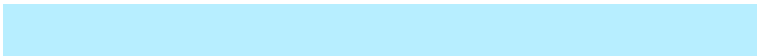
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.2359, 82.2161, 121.4625



69.6540, 82.2161, 49.7343



77.4401, 82.2161, 155.1152

Square

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



69.6540, 82.2161, 49.7343



62.6189, 82.2161, 117.2207



87.2972, 82.2161, 146.3075



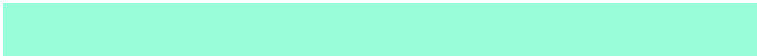
96.0437, 82.2161, 66.5670

Rectangle

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



69.6540, 82.2161, 49.7343



61.1091, 82.2161, 78.6244



87.2972, 82.2161, 146.3075



98.0824, 82.2161, 101.3769

Sweetspot

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



69.6561, 82.2197, 49.7361



89.5207, 97.5512, 90.4922



61.3482, 56.8762, 45.2821



18.9797, 20.7993, 18.7777



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

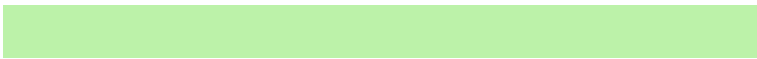
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6561, 82.2197, 49.7361



75.7840, 91.3874, 48.3896



59.7706, 77.1236, 49.2734



16.7199, 18.2513, 16.7913



27.5913, 39.5454, 6.1788



2.3847, 3.3359, 0.5182

Inverse Universe

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



50.7118, 45.3538, 90.0904



51.3940, 43.9047, 100.3734



60.5057, 50.4027, 90.5487



15.2624, 15.4170, 19.8930



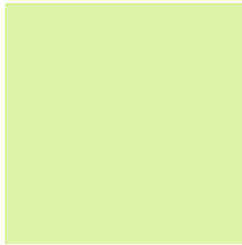
9.7045, 4.0083, 45.3901



0.8948, 0.3786, 3.7801

Previews

White Background



This preview shows how the XYZ color 69.6540, 82.2161, 49.7343 looks on a white background.

Color Contrast Check

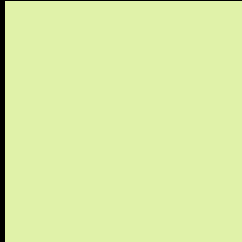
Large Text (above 18pt) WCAG AA × Fail

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 69.6540, 82.2161, 49.7343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

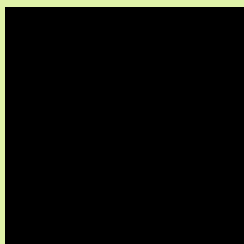
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

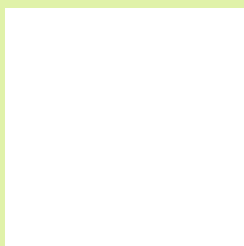
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6540, 82.2161, 49.7343

Background



This preview shows how black text looks on a background with the XYZ color 69.6540, 82.2161, 49.7343.

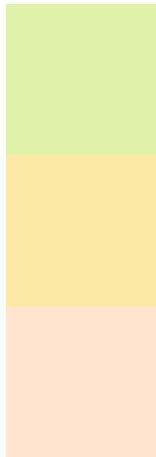


This preview shows how white text looks on a background with the XYZ color 69.6540, 82.2161,

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

69.6540, 82.2161, 49.7343

Protanopia

76.0753, 81.6899, 47.3554

Deuteranopia

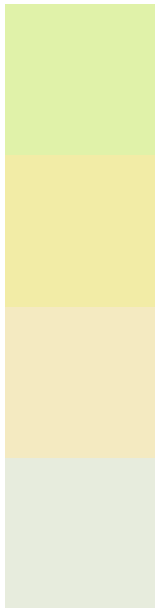
80.5218, 81.8036, 70.5772



Tritanopia

80.3729, 82.2775, 102.0875

Trichromacy



Original Color

69.6540, 82.2161, 49.7343

Protanomaly

73.4963, 81.6213, 47.9572

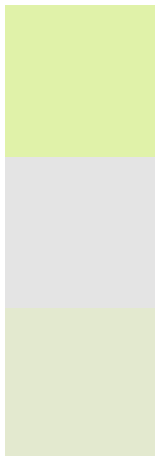
Deuteranomaly

76.3567, 81.9290, 62.2415

Tritanomaly

76.0016, 82.2003, 80.2671

Monochromacy



Original Color

69.6540, 82.2161, 49.7343

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.0800, 79.1137, 70.5029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6540, 82.2161, 49.7343 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(224, 242, 169)` looks like.

```
.text, #text, p{  
    color:rgb(224, 242, 169)  
}
```

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(224, 242, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 242, 169) }
```

Border

The CSS property to change the border of an element to XYZ 69.6540, 82.2161, 49.7343 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(224, 242, 169) }
```


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

```
.border{ border-color:rgb(224, 242, 169) }
```

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

Here you see how a box with a 4 pixel rgb(224, 242, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 242, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 242, 169);  
box-shadow:4px 4px 4px 4px rgb(224, 242,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6540, 82.2161, 49.7343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 242, 169) }
```

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

```
.background{ background-color: rgb(224,  
242, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor