

Converting Colors

XYZ(70.0962, 80.3103, 50.2092)

Have a look what the booklet for
XYZ(70.0962, 80.3103, 50.2092)
contains.

XYZ(69.9480, 80.1667, 50.3151)	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(69.9480, 80.1667,
50.3151)**

Conversions

Conversions Part 1

Format	Color
Hex	E5EDAB
RGB	229, 237, 171
RGB Percent	90%, 93%, 67%
CMY	0.1020, 0.0706, 0.3294
CMYK	0.03, 0.00, 0.28, 0.07
HSL	67°, 65%, 80%
HSV	67°, 28%, 93%
XYZ	69.9480, 80.1667, 50.3151
YIQ	227.0840, 16.4180, -22.2220

Conversions

Conversions Part 2

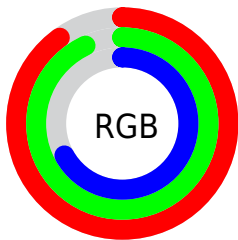
Format	Color
RYB	171, 237, 179
Decimal	15068587
CIELab	91.76, -13.06, 31.17
CIELCh	92, 33.794, 112.733
Yxy	80.1667, 0.3490, 0.4000
Android (android.graphics.Color)	4293258667 (0xFFE5EDAB)
YUV	227.0840, -27.6494, 1.6803
Hunter-Lab	89.5359, -17.2384, 29.3568

Details

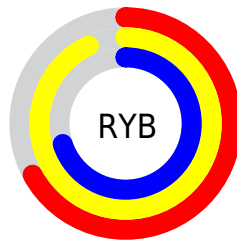
The XYZ color **69.9480, 80.1667, 50.3151** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.4424, 44.8260, 86.2244**, and the grayscale version is **73.2630, 77.0784, 83.9384**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **37.0275, 43.2400, 23.5341** is the 20% darker color. If you saturate the color by 10%, you get **66.9796, 78.8770, 39.4226**, and if you desaturate by 10%, it is **73.3408, 81.6334, 63.3451**.

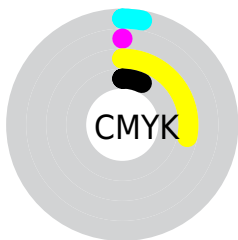
Distribution



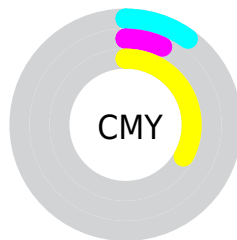
- Red (90%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (70%)



- Cyan (3%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9480, 80.1667, 50.3151 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 69.9480, 80.1667, 50.3151 by changing the saturation by 10% instead.

69.9480, 80.1667,
50.3151

69.9480, 80.1667,
50.3151

449.6367,
495.4944, 404.6672

51.7636, 59.8555,
35.2909

118.1613,
133.6001, 92.0427

37.0402, 43.3022,
23.6017

148.9208,
167.4911, 119.5831

25.4124, 30.1223,
14.8290

184.6028,
206.6775, 152.1327

16.5150, 19.9314,
8.5541

225.5726,
251.5437, 190.1101

9.9824, 12.3452,
4.3587

272.1955,
302.4741, 233.9336

5.4495, 6.9792,
1.8241

324.8369,

2.5508, 3.4491,

359.8531, 284.0220

0.4438

383.8622,
424.0651, 340.7937

■ 0.9209, 1.3705,
0.0000

■ 0.0000, 0.1948,
0.0000

■ 69.9480, 80.1667,
50.3151

■ 69.9480, 80.1667,
50.3151

■ 66.9796, 78.8770,
39.4226

■ 73.3408, 81.6334,
63.3451

■ 64.4077, 77.7449,
30.5484

■ 77.1720, 83.2745,
78.6129

■ 62.2107, 76.7645,
23.5695

■ 81.4624, 85.1011,
96.2189

■ 60.3621, 75.9252,
18.3476

■ 84.4407, 86.4045,
106.8350

■ 58.8321, 75.2150,
14.7252

■ 85.4271, 86.9130,
106.8811

■ 57.5854, 74.6199,
12.5174

■ 86.4291, 87.4296,
106.9280

■ 56.5739, 74.1205,
11.4713

■ 87.4466, 87.9541,
106.9757

■ 56.3715, 74.0194,
11.3161

■ 88.4798, 88.4868,
107.0240

■ 89.5288, 89.0276,
107.0731

Harmonies

Analogous

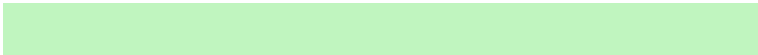
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3191, 80.1667, 48.0520



69.9480, 80.1667, 50.3151



63.7120, 80.1667, 61.5063

Triad

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



69.9480, 80.1667, 50.3151



66.5625, 80.1667, 130.9455



93.9131, 80.1667, 93.4522

Complementary

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



69.9480, 80.1667, 50.3151



48.4424, 44.8260, 86.2244

Split Complementary

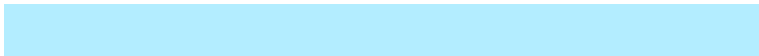
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2128, 80.1667, 119.4228



69.9480, 80.1667, 50.3151



74.1117, 80.1667, 143.5739

Square

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



69.9480, 80.1667, 50.3151



61.8631, 80.1667, 107.0186



82.8055, 80.1667, 139.0004



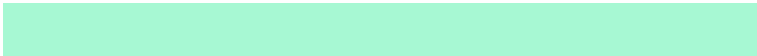
92.5877, 80.1667, 70.1448

Rectangle

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



69.9480, 80.1667, 50.3151



61.3921, 80.1667, 73.8997



82.8055, 80.1667, 139.0004



93.2068, 80.1667, 102.2026

Sweetspot

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



69.9500, 80.1703, 50.3168



91.0332, 98.2888, 92.4683



58.3385, 53.0670, 45.6973



19.3316, 20.9724, 19.1735



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

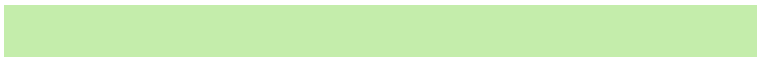
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9500, 80.1703, 50.3168



80.6806, 93.8299, 52.3118



60.4808, 75.2887, 49.8736



16.1617, 17.5289, 16.0503



30.8501, 40.4483, 6.1813



2.4731, 3.2023, 0.4878

Inverse Universe

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



48.4424, 44.8260, 86.2244



51.6539, 46.1198, 100.7873



56.9165, 49.1946, 86.6210



14.4009, 14.6364, 18.9884



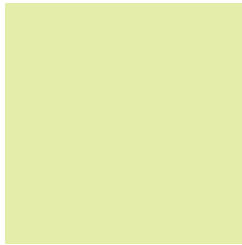
8.6756, 3.5084, 43.9629



0.7366, 0.3040, 3.4547

Previews

White Background



This preview shows how the XYZ color 69.9480, 80.1667, 50.3151 looks on a white background.

Color Contrast Check

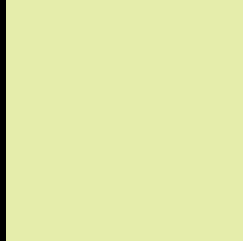
Large Text (above 18pt) WCAG AA × Fail

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 69.9480, 80.1667, 50.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

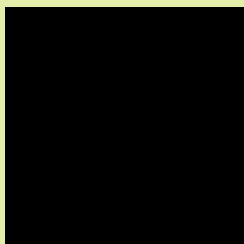
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

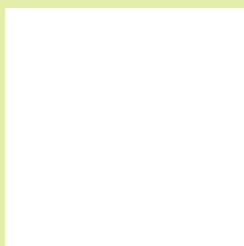
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9480, 80.1667, 50.3151

Background



This preview shows how black text looks on a background with the XYZ color 69.9480, 80.1667, 50.3151.

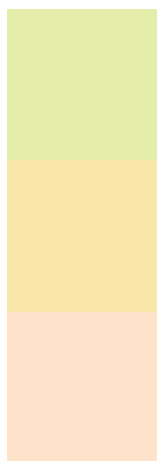


This preview shows how white text looks on a background with the XYZ color 69.9480, 80.1667,

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

69.9480, 80.1667, 50.3151

Protanopia

74.3552, 79.9354, 48.5559

Deuteranopia

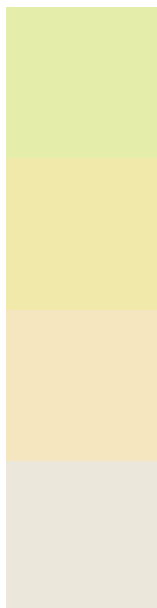
79.0970, 79.9170, 67.1338



Tritanopia

79.5471, 79.8815, 97.6123

Trichromacy



Original Color

69.9480, 80.1667, 50.3151

Protanomaly

72.5760, 79.8432, 49.1222

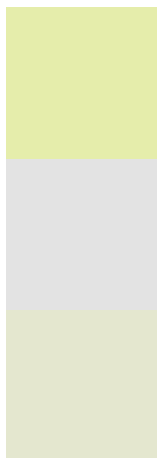
Deuteranomaly

75.7068, 79.9480, 60.7316

Tritanomaly

75.4918, 79.8760, 77.7684

Monochromacy



Original Color

69.9480, 80.1667, 50.3151

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.8333, 78.1508, 70.3301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9480, 80.1667, 50.3151 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(229, 237, 171)` looks like.

```
.text, #text, p{  
    color:rgb(229, 237, 171)  
}
```

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(229, 237, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 237, 171) }
```

Border

The CSS property to change the border of an element to XYZ 69.9480, 80.1667, 50.3151 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(229, 237, 171) }
```


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

```
.border{ border-color:rgb(229, 237, 171) }
```

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

Here you see how a box with a 4 pixel rgb(229, 237, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 237, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 237, 171);  
box-shadow:4px 4px 4px 4px rgb(229, 237,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9480, 80.1667, 50.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 237, 171) }
```

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

```
.background{ background-color: rgb(229,  
237, 171) }
```

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