

Converting Colors

XYZ(70.0659, 80.2551, 71.3139)

Have a look what the booklet for
XYZ(70.0659, 80.2551, 71.3139)
contains.

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Color

**XYZ(69.9840, 80.1502,
71.4565)**

Conversions

Conversions Part 1

Format	Color
Hex	D7EED0
RGB	215, 238, 208
RGB Percent	84%, 93%, 82%
CMY	0.1569, 0.0666, 0.1843
CMYK	0.10, 0.00, 0.13, 0.07
HSL	106°, 47%, 87%
HSV	106°, 13%, 93%
XYZ	69.9840, 80.1502, 71.4565
YIQ	227.7030, -4.0780, -14.2060

Conversions

Conversions Part 2

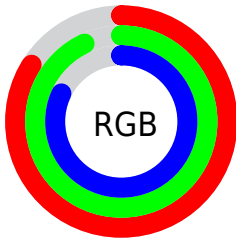
Format	Color
R _Y B	208, 238, 231
Decimal	14151376
CIE Lab	91.75, -12.95, 11.98
CIE LCh	92, 17.639, 137.237
Yxy	80.1502, 0.3158, 0.3617
Android (android.graphics.Color)	4292341456 (0xFFD7EED0)
YUV	227.7030, -9.7136, -11.1405
Hunter-Lab	89.5266, -17.1361, 15.3458

Details

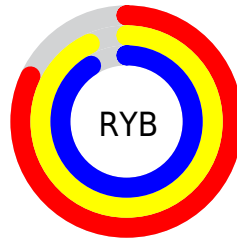
The XYZ color **69.9840, 80.1502, 71.4565** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9467, 68.2760, 90.3324**, and the grayscale version is **73.5985, 77.4313, 84.3227**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0579, 43.2626, 36.9692** is the 20% darker color. If you saturate the color by 10%, you get **62.2102, 76.4584, 56.9372**, and if you desaturate by 10%, it is **78.7993, 84.3329, 88.3216**.

Distribution



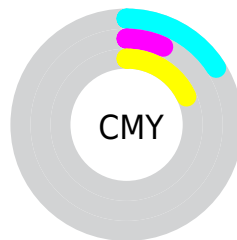
- Red (84%)
- Green (93%)
- Blue (82%)



- Red (82%)
- Yellow (93%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9840, 80.1502, 71.4565 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 69.9840, 80.1502, 71.4565 by changing the saturation by 10% instead.

69.9840, 80.1502,
71.4565

69.9840, 80.1502,
71.4565

449.7611,
495.4389, 484.5743

51.7930, 59.8420,
52.2307

118.2123,
133.5769, 122.9840

37.0637, 43.2913,
36.8055

148.9804,
167.4641, 156.1228

25.4307, 30.1137,
24.7623

184.6716,
206.6465, 194.7364

16.5287, 19.9249,
15.6827

225.6512,
251.5083, 239.2432

9.9923, 12.3405,
9.1480

272.2846,
302.4341, 290.0619

5.4561, 6.9760,
4.7397

324.9371,

2.5547, 3.4471,

359.8082, 347.6109

2.0393

383.9742,
424.0150, 412.3089

■ 0.9229, 1.3694,
0.5793

■ 0.0000, 0.1940,
0.0000

■ 69.9840, 80.1502,
71.4565

■ 69.9840, 80.1502,
71.4565

■ 62.2102, 76.4584,
56.9372

■ 78.7993, 84.3329,
88.3216

■ 55.4325, 73.2291,
44.6549

■ 88.5894, 88.9740,
107.1123

■ 49.6113, 70.4469,
34.4997

■ 89.8661, 89.6322,
107.1720

■ 44.7022, 68.0915,
26.3506

■ 40.6567, 66.1407,
20.0746

■ 37.4219, 64.5705,
15.5223

■ 34.9384, 63.3540,
12.5215

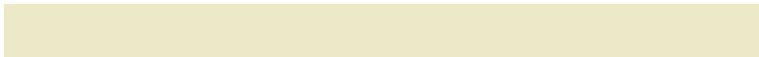
■ 33.1373, 62.4603,
10.8647

■ 32.1804, 61.9793,
10.2671

Harmonies

Analogous

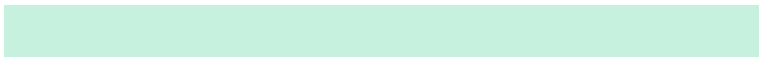
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6372, 80.1502, 65.6159



69.9840, 80.1502, 71.4565



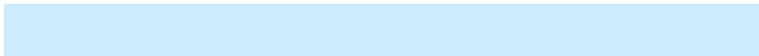
68.0247, 80.1502, 81.8925

Triad

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



69.9840, 80.1502, 71.4565



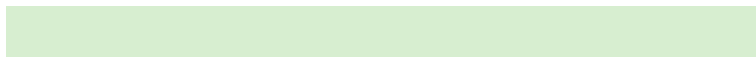
74.2788, 80.1502, 113.8284



84.7747, 80.1502, 80.1093

Complementary

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



69.9840, 80.1502, 71.4565



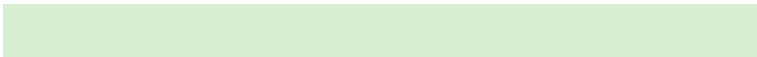
70.9467, 68.2760, 90.3324

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.



84.9631, 80.1502, 92.8778



69.9840, 80.1502, 71.4565



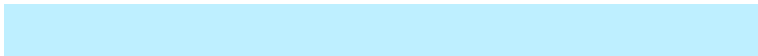
78.7814, 80.1502, 113.2300

Square

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



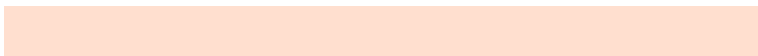
69.9840, 80.1502, 71.4565



70.4377, 80.1502, 106.8217



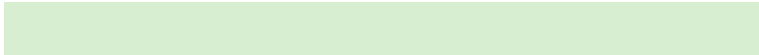
82.7321, 80.1502, 105.2596



82.2270, 80.1502, 70.2625

Rectangle

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



69.9840, 80.1502, 71.4565



67.8900, 80.1502, 90.4388



82.7321, 80.1502, 105.2596



85.1195, 80.1502, 84.1760

Sweetspot

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



69.9862, 80.1536, 71.4583



90.6320, 97.9072, 100.3474



75.2243, 79.8867, 71.1306



19.2260, 20.8742, 21.1452



0.0000, 0.0000, 0.0000



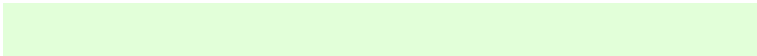
20.3446, 21.4041, 23.3091

Same Dimension

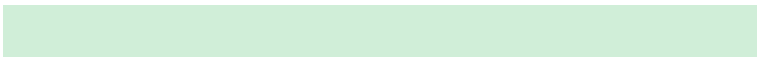
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9862, 80.1536, 71.4583



79.5135, 92.6327, 79.1644



68.9841, 79.5204, 76.6808



15.9110, 17.8343, 16.7535



18.0467, 34.6250, 5.7321



1.5863, 2.9243, 0.4808

Inverse Universe

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



70.9467, 68.2760, 90.3324



80.8315, 76.3237, 105.0794



72.1016, 69.0042, 84.3852



16.0728, 15.8348, 19.9309



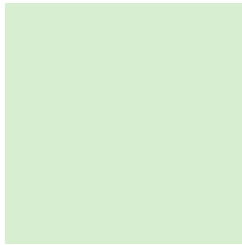
19.5552, 9.0865, 45.8511



1.7131, 0.8004, 3.8184

Previews

White Background



This preview shows how the XYZ color 69.9840, 80.1502, 71.4565 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 69.9840, 80.1502, 71.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

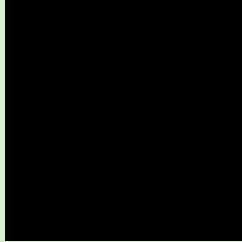
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

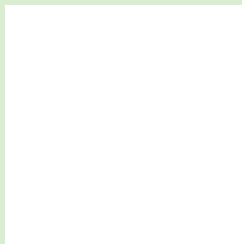
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9840, 80.1502, 71.4565

Background



This preview shows how black text looks on a background with the XYZ color 69.9840, 80.1502, 71.4565.



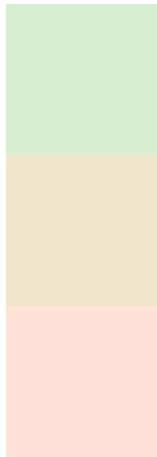
This preview shows how white text looks on a background with the XYZ color 69.9840, 80.1502,

71.4565.

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

69.9840, 80.1502, 71.4565

Protanopia

75.4715, 79.6540, 68.5237

Deuteranopia

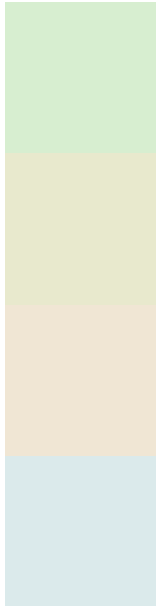
80.4310, 80.0167, 75.4956



Tritanopia

76.2361, 80.1449, 101.8939

Trichromacy



Original Color

69.9840, 80.1502, 71.4565

Protanomaly

73.4371, 79.8414, 69.2980

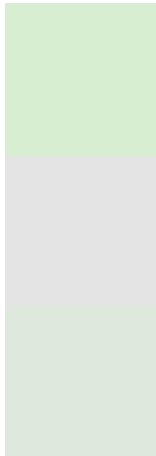
Deuteranomaly

76.1157, 79.8724, 73.6925

Tritanomaly

73.6316, 79.9039, 90.1394

Monochromacy



Original Color

69.9840, 80.1502, 71.4565

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.3392, 78.6217, 79.7694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9840, 80.1502, 71.4565 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(215, 238, 208)` looks like.

```
.text, #text, p{  
    color:rgb(215, 238, 208)  
}
```

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(215, 238, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 238, 208) }
```

Border

The CSS property to change the border of an element to XYZ 69.9840, 80.1502, 71.4565 is called "border". The border property can be set on classes, ids or directly on the HTML element.

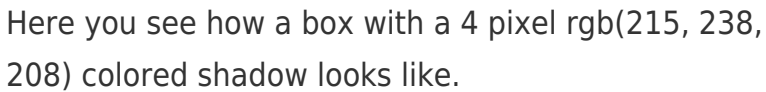
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 238, 208) }
```


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

```
.border{ border-color:rgb(215, 238, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 238, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 238, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 238, 208); box-shadow:4px 4px 4px 4px rgb(215, 238, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9840, 80.1502, 71.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 238, 208) }
```

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

```
.background{ background-color: rgb(215,  
238, 208) }
```

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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