

Converting Colors

XYZ(70.1793, 78.9140, 65.8158)

Have a look what the booklet for
XYZ(70.1793, 78.9140, 65.8158)
contains.

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Color

**XYZ(70.1413, 79.0698,
65.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEBC7
RGB	222, 235, 199
RGB Percent	87%, 92%, 78%
CMY	0.1294, 0.0784, 0.2196
CMYK	0.06, 0.00, 0.15, 0.08
HSL	82°, 47%, 85%
HSV	82°, 15%, 92%
XYZ	70.1413, 79.0698, 65.5980
YIQ	227.0090, 3.8080, -13.9520

Conversions

Conversions Part 2

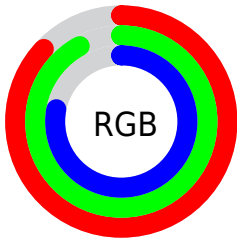
Format	Color
R _{YB}	199, 235, 212
Decimal	14609351
CIE Lab	91.27, -10.52, 16.02
CIE LCh	91, 19.166, 123.275
Yxy	79.0698, 0.3265, 0.3681
Android (android.graphics.Color)	4292799431 (0xFFDEEBC7)
YUV	227.0090, -13.8084, -4.3929
Hunter-Lab	88.9212, -14.8108, 18.5061

Details

The XYZ color **70.1413, 79.0698, 65.5980** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.5734, 60.8443, 87.0477**, and the grayscale version is **73.1174, 76.9251, 83.7715**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1673, 42.5000, 33.0325** is the 20% darker color. If you saturate the color by 10%, you get **65.0865, 76.7576, 52.2014**, and if you desaturate by 10%, it is **75.7527, 81.6249, 81.2235**.

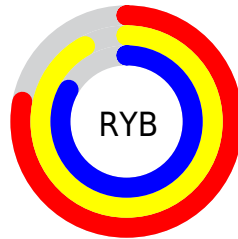
Distribution



Red (87%)

Green (92%)

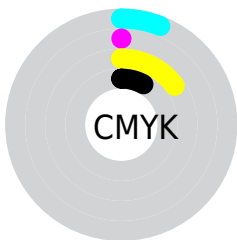
Blue (78%)



Red (78%)

Yellow (92%)

Blue (83%)

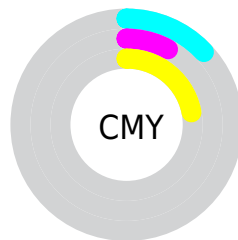


Cyan (6%)

Magenta (0%)

Yellow (15%)

Black (8%)



Cyan (13%)

Magenta (8%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1413, 79.0698, 65.5980 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 70.1413, 79.0698, 65.5980 by changing the saturation by 10% instead.

70.1413, 79.0698,
65.5980

70.1413, 79.0698,
65.5980

450.3047,
491.7924, 463.3027

51.9217, 58.9532,
47.4917

118.4354,
132.0571, 114.5307

37.1667, 42.5754,
33.0674

149.2407,
165.6966, 146.1941

25.5109, 29.5521,
21.9066

184.9719,
204.6126, 183.2137

16.5888, 19.4989,
13.5906

225.9944,
249.1893, 226.0080

10.0353, 12.0313,
7.7010

272.6736,
299.8113, 274.9955

5.4848, 6.7650,
3.8192

325.3748,

2.5721, 3.3156,

356.8629, 330.5948

1.5267

384.4634,
420.7285, 393.2243

■ 0.9317, 1.2986,
0.2377

■ 0.0000, 0.1401,
0.0000

■ 70.1413, 79.0698,
65.5980

■ 70.1413, 79.0698,
65.5980

■ 65.0865, 76.7576,
52.2014

■ 75.7527, 81.6249,
81.2235

■ 60.5608, 74.6694,
40.9268

■ 81.9342, 84.4208,
99.1677

■ 56.5436, 72.7993,
31.6666

■ 86.2825, 86.4990,
106.7561

■ 53.0102, 71.1371,
24.3014

■ 89.0000, 87.8999,
106.8833

■ 49.9335, 69.6718,
18.6993

■ 47.2832, 68.3911,
14.7115

■ 45.0244, 67.2806,
12.1647

■ 43.1142, 66.3231,
10.8458

■ 42.3096, 65.9153,
10.4930

Harmonies

Analogous

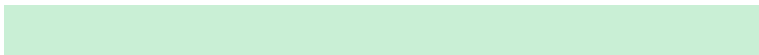
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6208, 79.0698, 62.0398



70.1413, 79.0698, 65.5980



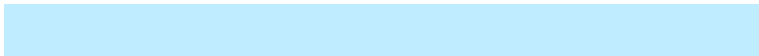
67.1109, 79.0698, 74.6085

Triad

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



70.1413, 79.0698, 65.5980



71.0282, 79.0698, 112.2826



84.8760, 79.0698, 84.5734

Complementary

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



70.1413, 79.0698, 65.5980



62.5734, 60.8443, 87.0477

Split Complementary

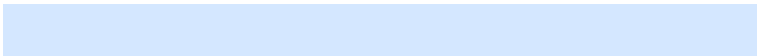
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8143, 79.0698, 98.7007



70.1413, 79.0698, 65.5980



75.6887, 79.0698, 115.6773

Square

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



70.1413, 79.0698, 65.5980



67.6072, 79.0698, 101.6304



80.3989, 79.0698, 110.4671



83.2414, 79.0698, 72.2268

Rectangle

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



70.1413, 79.0698, 65.5980



66.2484, 79.0698, 82.9969



80.3989, 79.0698, 110.4671



84.8228, 79.0698, 89.2663

Sweetspot

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



70.1434, 79.0732, 65.5997



91.3905, 98.3428, 98.3667



68.0163, 68.6756, 63.7049



19.4542, 21.0008, 20.7498



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.



70.1434, 79.0732, 65.5997



82.6822, 94.3784, 74.2456



65.0313, 76.4378, 65.3605



15.7937, 17.3392, 16.0331



23.6904, 36.7573, 5.8463



1.9649, 2.9403, 0.4640

Inverse Universe

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



62.5734, 60.8443, 87.0477



72.1386, 68.9870, 104.1214



67.9266, 63.6040, 87.2982



14.7448, 14.8137, 19.0044



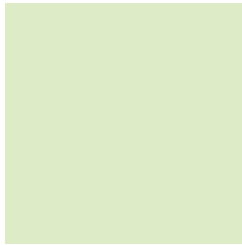
10.5520, 4.4757, 44.0507



0.9306, 0.4041, 3.4638

Previews

White Background



This preview shows how the XYZ color 70.1413, 79.0698, 65.5980 looks on a white background.

Color Contrast Check

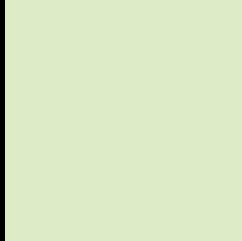
Large Text (above 18pt) WCAG AA × Fail

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 70.1413, 79.0698, 65.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

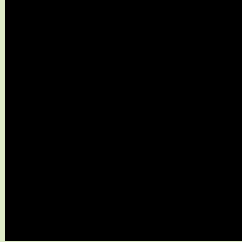
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

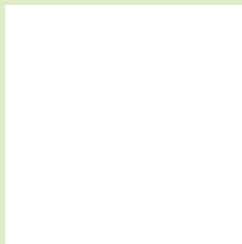
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1413, 79.0698, 65.5980

Background



This preview shows how black text looks on a background with the XYZ color 70.1413, 79.0698, 65.5980.

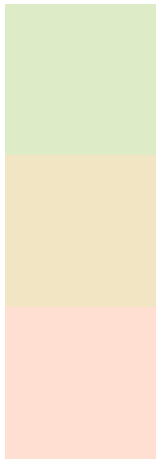


This preview shows how white text looks on a background with the XYZ color 70.1413, 79.0698,

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

70.1413, 79.0698, 65.5980

Protanopia

74.6011, 78.9014, 63.5221

Deuteranopia

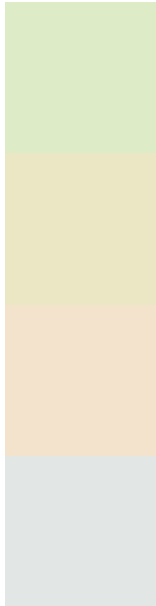
79.1363, 78.6388, 71.3295



Tritanopia

76.6911, 78.7986, 98.3564

Trichromacy



Original Color

70.1413, 79.0698, 65.5980

Protanomaly

72.9149, 78.8452, 64.1989

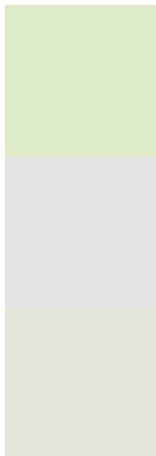
Deuteranomaly

75.4507, 78.4006, 68.9138

Tritanomaly

74.0828, 78.9777, 85.4684

Monochromacy



Original Color

70.1413, 79.0698, 65.5980

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.8725, 77.6109, 76.8380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1413, 79.0698, 65.5980 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(222, 235, 199)` looks like.

```
.text, #text, p{  
    color:rgb(222, 235, 199)  
}
```

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(222, 235, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 235, 199) }
```

Border

The CSS property to change the border of an element to XYZ 70.1413, 79.0698, 65.5980 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(222, 235, 199) }
```


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

```
.border{ border-color:rgb(222, 235, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 235, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 235, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 235, 199);  
box-shadow:4px 4px 4px 4px rgb(222, 235,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1413, 79.0698, 65.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 235, 199) }
```

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

```
.background{ background-color: rgb(222,  
235, 199) }
```

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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