

Converting Colors

XYZ(70.7021, 80.6447, 65.8724)

Have a look what the booklet for
XYZ(70.7021, 80.6447, 65.8724)
contains.

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Color

**XYZ(70.7021, 80.6447,
65.8724)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEEC7
RGB	221, 238, 199
RGB Percent	87%, 93%, 78%
CMY	0.1333, 0.0666, 0.2196
CMYK	0.07, 0.00, 0.16, 0.07
HSL	86°, 53%, 86%
HSV	86°, 16%, 93%
XYZ	70.7021, 80.6447, 65.8724
YIQ	228.4710, 2.3870, -15.7330

Conversions

Conversions Part 2

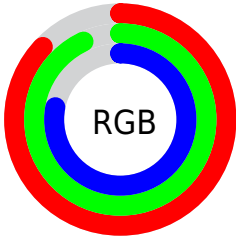
Format	Color
R _{YB}	199, 238, 216
Decimal	14544583
CIE _{Lab}	91.97, -12.36, 17.01
CIE _{LCh}	92, 21.028, 126.015
Y _{xy}	80.6447, 0.3255, 0.3713
Android (android.graphics.Color)	4292734663 (0xFFDDEEC7)
YUV	228.4710, -14.5292, -6.5521
Hunter-Lab	89.8024, -16.6198, 19.3709

Details

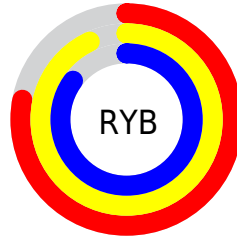
The XYZ color **70.7021, 80.6447, 65.8724** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.1781, 61.6210, 89.4047**, and the grayscale version is **74.1915, 78.0552, 85.0022**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5647, 43.6072, 33.2252** is the 20% darker color. If you saturate the color by 10%, you get **65.0903, 78.0488, 52.2955**, and if you desaturate by 10%, it is **76.9458, 83.5211, 81.7382**.

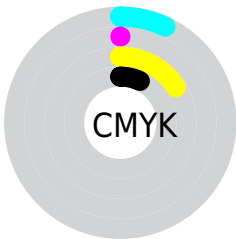
Distribution



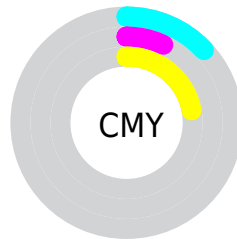
- Red (87%)
- Green (93%)
- Blue (78%)



- Red (78%)
- Yellow (93%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7021, 80.6447, 65.8724 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 70.7021, 80.6447, 65.8724 by changing the saturation by 10% instead.

70.7021, 80.6447,
65.8724

70.7021, 80.6447,
65.8724

452.2394,
497.1029, 464.3122

52.3808, 60.2490,
47.7130

119.2303,
134.2718, 114.9284

37.5342, 43.6194,
33.2413

150.1678,
168.2719, 146.6621

25.7969, 30.3714,
22.0387

186.0415,
207.5757, 183.7577

16.8037, 20.1207,
13.6868

227.2167,
252.5676, 226.6336

10.1890, 12.4828,
7.7669

274.0588,
303.6318, 275.7085

5.5877, 7.0734,
3.8605

326.9330,

2.6343, 3.5080,

361.1528, 331.4009

1.5491

386.2048,
425.5150, 394.1292

0.9635, 1.4024,
0.2541

0.0000, 0.2185,
0.0000

70.7021, 80.6447,
65.8724

70.7021, 80.6447,
65.8724

65.0903, 78.0488,
52.2955

76.9458, 83.5211,
81.7382

60.0804, 75.7133,
40.8967

83.8369, 86.6769,
99.9865

55.6493, 73.6309,
31.5636

88.8182, 89.0921,
107.1230

51.7697, 71.7905,
24.1718

89.8661, 89.6323,
107.1720

■ 48.4118, 70.1796,
18.5837

■ 45.5419, 68.7844,
14.6433

■ 43.1213, 67.5888,
12.1683

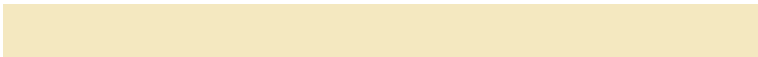
■ 41.1027, 66.5735,
10.9305

■ 40.4462, 66.2405,
10.6540

Harmonies

Analogous

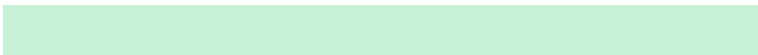
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5668, 80.6447, 61.4165



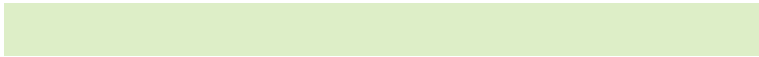
70.7021, 80.6447, 65.8724



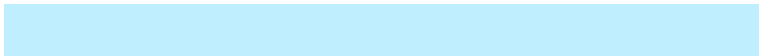
67.5443, 80.6447, 76.2598

Triad

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



70.7021, 80.6447, 65.8724



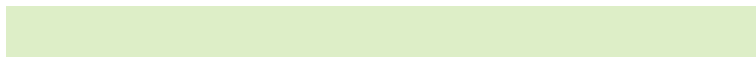
72.5041, 80.6447, 117.8966



87.4541, 80.6447, 84.7271

Complementary

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



70.7021, 80.6447, 65.8724



64.1781, 61.6210, 89.4047

Split Complementary

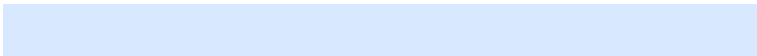
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5402, 80.6447, 100.4677



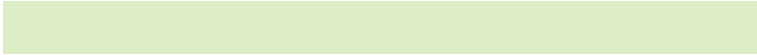
70.7021, 80.6447, 65.8724



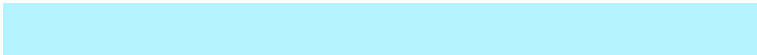
77.7443, 80.6447, 120.8485

Square

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



70.7021, 80.6447, 65.8724



68.5499, 80.6447, 106.4922



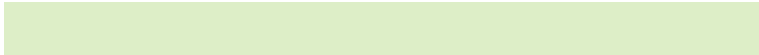
82.9232, 80.6447, 114.1423



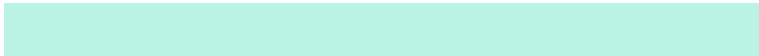
85.3651, 80.6447, 71.4486

Rectangle

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



70.7021, 80.6447, 65.8724



66.7459, 80.6447, 85.7567



82.9232, 80.6447, 114.1423



87.4891, 80.6447, 89.8925

Sweetspot

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



70.7043, 80.6482, 65.8741



91.0490, 98.1668, 98.3507



70.1019, 71.3640, 64.1139



19.3712, 20.9580, 20.7459



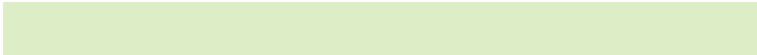
0.0000, 0.0000, 0.0000



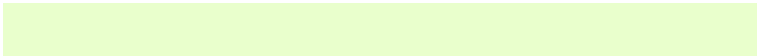
20.3446, 21.4041, 23.3091

Same Dimension

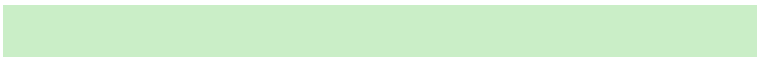
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7043, 80.6482, 65.8741



80.1868, 93.1638, 70.8829



65.1348, 77.7770, 65.6135



16.4190, 18.0962, 16.7773



22.7149, 37.0315, 5.9506



2.0036, 3.1394, 0.5004

Inverse Universe

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



64.1781, 61.6210, 89.4047



71.0806, 66.6125, 103.7189



70.2522, 64.7523, 89.6889



15.5511, 15.5658, 19.9065



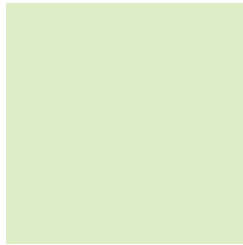
11.9219, 5.1514, 45.4938



1.1039, 0.4864, 3.7899

Previews

White Background



This preview shows how the XYZ color 70.7021, 80.6447, 65.8724 looks on a white background.

Color Contrast Check

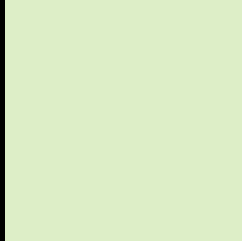
Large Text (above 18pt) WCAG AA × Fail

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 70.7021, 80.6447, 65.8724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

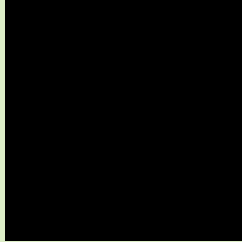
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

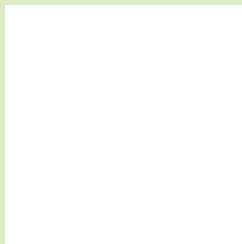
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7021, 80.6447, 65.8724

Background



This preview shows how black text looks on a background with the XYZ color 70.7021, 80.6447, 65.8724.



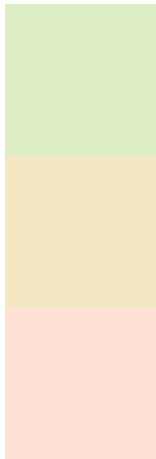
This preview shows how white text looks on a background with the XYZ color 70.7021, 80.6447,

65.8724.

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



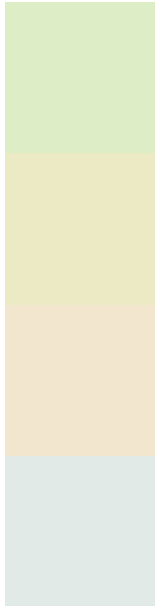
Original Color
70.7021, 80.6447, 65.8724
Protanopia
75.8479, 80.3704, 63.7400
Deuteranopia
80.3200, 80.4062, 73.5740



Tritanopia

77.6697, 80.4854, 101.0641

Trichromacy



Original Color

70.7021, 80.6447, 65.8724

Protanomaly

74.0929, 80.7097, 64.4967

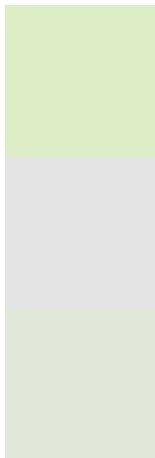
Deuteranomaly

76.5214, 80.1533, 70.4695

Tritanomaly

74.8980, 80.6227, 87.2155

Monochromacy



Original Color

70.7021, 80.6447, 65.8724

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.4323, 78.7305, 77.0246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7021, 80.6447, 65.8724 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(221, 238, 199)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 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(221, 238, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 199) }
```

Border

The CSS property to change the border of an element to XYZ 70.7021, 80.6447, 65.8724 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(221, 238, 199) }
```


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

```
.border{ border-color:rgb(221, 238, 199) }
```

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

Here you see how a box with a 4 pixel rgb(221, 238, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 199);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7021, 80.6447, 65.8724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 199) }
```

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

```
.background{ background-color: rgb(221,  
238, 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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