

Converting Colors

XYZ(70.5576, 80.7981, 64.4318)

Have a look what the booklet for
XYZ(70.5576, 80.7981, 64.4318)
contains.

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Color

**XYZ(70.4714, 80.5524,
64.6573)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEEC5
RGB	221, 238, 197
RGB Percent	87%, 93%, 77%
CMY	0.1333, 0.0666, 0.2274
CMYK	0.07, 0.00, 0.17, 0.07
HSL	85°, 55%, 85%
HSV	85°, 17%, 93%
XYZ	70.4714, 80.5524, 64.6573
YIQ	228.2430, 3.0290, -16.3550

Conversions

Conversions Part 2

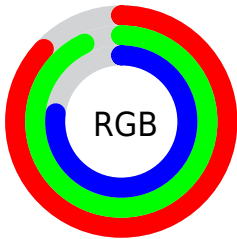
Format	Color
RYB	197, 238, 214
Decimal	14544581
CIELab	91.93, -12.68, 17.98
CIELCh	92, 22.005, 125.186
Yxy	80.5524, 0.3267, 0.3735
Android (android.graphics.Color)	4292734661 (0xFFDDEEC5)
YUV	228.2430, -15.4028, -6.3521
Hunter-Lab	89.7510, -16.9082, 20.1127

Details

The XYZ color **70.4714, 80.5524, 64.6573** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.1336, 60.4039, 89.2248**, and the grayscale version is **74.0302, 77.8855, 84.8173**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **37.4118, 43.5461, 32.4200** is the 20% darker color. If you saturate the color by 10%, you get **65.0400, 78.0454, 51.2738**, and if you desaturate by 10%, it is **76.5145, 83.3297, 80.3203**.

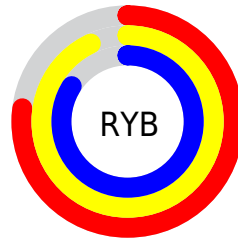
Distribution



Red (87%)

Green (93%)

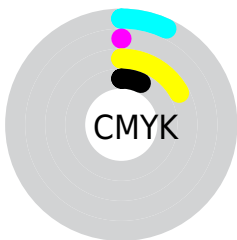
Blue (77%)



Red (77%)

Yellow (93%)

Blue (84%)

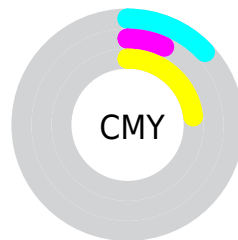


Cyan (7%)

Magenta (0%)

Yellow (17%)

Black (7%)



Cyan (13%)

Magenta (7%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4714, 80.5524, 64.6573 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 70.4714, 80.5524, 64.6573 by changing the saturation by 10% instead.

70.4714, 80.5524,
64.6573

70.4714, 80.5524,
64.6573

451.4441,
496.7925, 459.8319

52.1919, 60.1730,
46.7337

118.9034,
134.1421, 113.1656

37.3830, 43.5581,
32.4723

149.7866,
168.1212, 144.5873

25.6792, 30.3233,
21.4547

185.6017,
207.4024, 181.3455

16.7152, 20.0841,
13.2623

226.7142,
252.3700, 223.8586

10.1257, 12.4562,
7.4766

273.4893,
303.4084, 272.5453

5.5453, 7.0552,
3.6790

326.2924,

2.6086, 3.4966,

360.9020, 327.8240

1.4509

385.4889,
425.2353, 390.1134

■ 0.9503, 1.3962,
0.1810

■ 0.0000, 0.2139,
0.0000

■ 70.4714, 80.5524,
64.6573

■ 70.4714, 80.5524,
64.6573

■ 65.0400, 78.0454,
51.2738

■ 76.5145, 83.3297,
80.3203

■ 60.1906, 75.7887,
40.0582

■ 83.1845, 86.3759,
98.3568

■ 55.9005, 73.7754,
30.8975

■ 88.2701, 88.8095,
107.0974

■ 52.1428, 71.9944,
23.6665

■ 89.8661, 89.6323,
107.1720

■ 48.8878, 70.4334,
18.2259

■ 46.1023, 69.0788,
14.4183

■ 43.7476, 67.9147,
12.0582

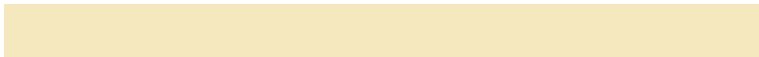
■ 41.7744, 66.9210,
10.9048

■ 41.2743, 66.6674,
10.6927

Harmonies

Analogous

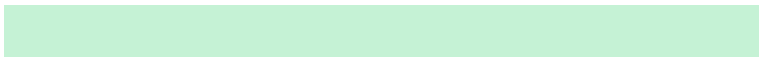
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5848, 80.5524, 60.2271



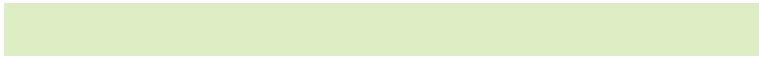
70.4714, 80.5524, 64.6573



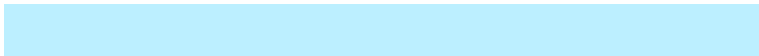
67.1188, 80.5524, 75.2876

Triad

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



70.4714, 80.5524, 64.6573



72.0932, 80.5524, 119.0890



87.8999, 80.5524, 84.9252

Complementary

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



70.4714, 80.5524, 64.6573



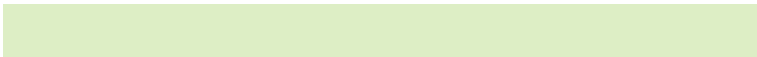
63.1336, 60.4039, 89.2248

Split Complementary

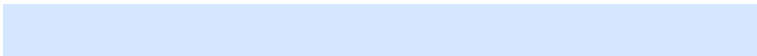
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8532, 80.5524, 101.4241



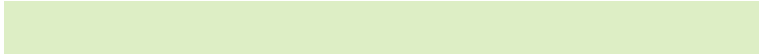
70.4714, 80.5524, 64.6573



77.5489, 80.5524, 122.4869

Square

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



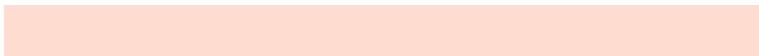
70.4714, 80.5524, 64.6573



68.0224, 80.5524, 106.8864



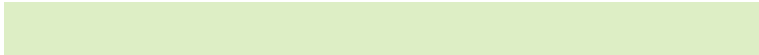
82.9951, 80.5524, 115.6735



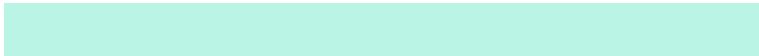
85.7893, 80.5524, 70.9727

Rectangle

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



70.4714, 80.5524, 64.6573



66.2391, 80.5524, 85.1228



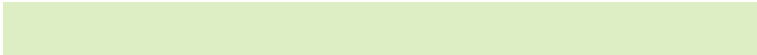
82.9951, 80.5524, 115.6735



87.9067, 80.5524, 90.3448

Sweetspot

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



70.4735, 80.5559, 64.6590



91.1460, 98.2168, 98.3552



69.2359, 70.0011, 62.6870



19.3948, 20.9702, 20.7470



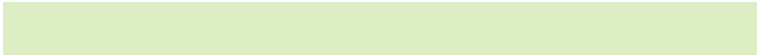
0.0000, 0.0000, 0.0000



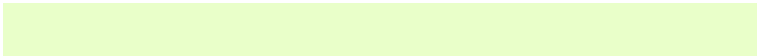
20.3446, 21.4041, 23.3091

Same Dimension

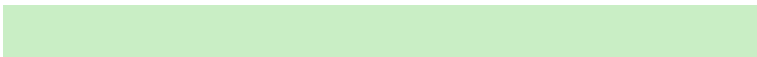
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4735, 80.5559, 64.6590



79.8922, 93.0470, 69.2854



64.7693, 77.6153, 64.3921



16.4525, 18.1134, 16.7788



23.1764, 37.2694, 5.9722



2.0410, 3.1587, 0.5021

Inverse Universe

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



63.1336, 60.4039, 89.2248



69.6761, 64.9960, 103.4809



69.3007, 63.5832, 89.5134



15.5183, 15.5489, 19.9049



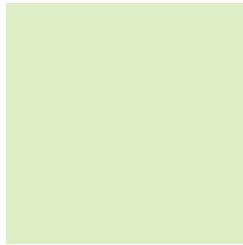
11.6015, 4.9862, 45.4788



1.0757, 0.4718, 3.7886

Previews

White Background



This preview shows how the XYZ color 70.4714, 80.5524, 64.6573 looks on a white background.

Color Contrast Check

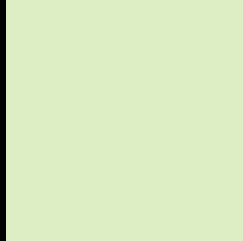
Large Text (above 18pt) WCAG AA × Fail

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 70.4714, 80.5524, 64.6573 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

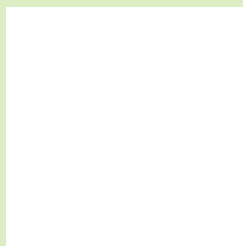
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4714, 80.5524, 64.6573

Background



This preview shows how black text looks on a background with the XYZ color 70.4714, 80.5524, 64.6573.



This preview shows how white text looks on a background with the XYZ color 70.4714, 80.5524,

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



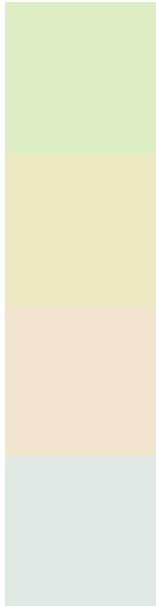
Original Color
70.4714, 80.5524, 64.6573
Protanopia
75.6217, 80.2800, 62.5488
Deuteranopia
80.1942, 80.3559, 72.9116



Tritanopia

77.9879, 80.6494, 101.0790

Trichromacy



Original Color

70.4714, 80.5524, 64.6573

Protanomaly

73.8652, 80.6186, 63.2976

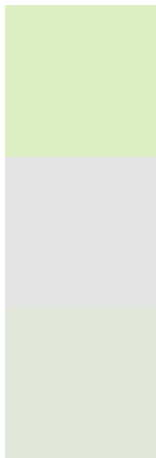
Deuteranomaly

76.3995, 80.1045, 69.8276

Tritanomaly

75.0698, 80.7276, 86.4883

Monochromacy



Original Color

70.4714, 80.5524, 64.6573

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 70.4714, 80.5524, 64.6573 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 197) }
```

Border

The CSS property to change the border of an element to XYZ 70.4714, 80.5524, 64.6573 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, 197) }
```


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

```
.border{ border-color:rgb(221, 238, 197) }
```

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, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 197);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4714, 80.5524, 64.6573 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, 197) }
```

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

```
.background{ background-color: rgb(221,  
238, 197) }
```

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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