

Converting Colors

XYZ(70.7522, 79.8114, 65.7104)

Have a look what the booklet for
XYZ(70.7522, 79.8114, 65.7104)
contains.

XYZ(70.7357, 79.8024, 65.7081)	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(70.7357, 79.8024,
65.7081)**

Conversions

Conversions Part 1

Format	Color
Hex	DFECC7
RGB	223, 236, 199
RGB Percent	87%, 93%, 78%
CMY	0.1255, 0.0745, 0.2196
CMYK	0.06, 0.00, 0.16, 0.07
HSL	81°, 49%, 85%
HSV	81°, 16%, 93%
XYZ	70.7357, 79.8024, 65.7081
YIQ	227.8950, 4.1290, -14.2630

Conversions

Conversions Part 2

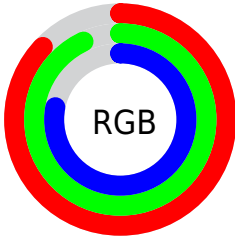
Format	Color
RYB	199, 236, 212
Decimal	14675143
CIELab	91.60, -10.67, 16.50
CIELCh	92, 19.647, 122.883
Yxy	79.8024, 0.3271, 0.3690
Android (android.graphics.Color)	4292865223 (0xFFDFECC7)
YUV	227.8950, -14.2452, -4.2929
Hunter-Lab	89.3322, -14.9901, 18.9219

Details

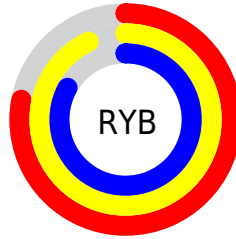
The XYZ color **70.7357, 79.8024, 65.7081** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.7183, 60.9022, 87.8108**, and the grayscale version is **73.7666, 77.6082, 84.5154**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5805, 43.0117, 33.1094** is the 20% darker color. If you saturate the color by 10%, you get **65.7127, 77.5078, 52.2615**, and if you desaturate by 10%, it is **76.3132, 82.3385, 81.4022**.

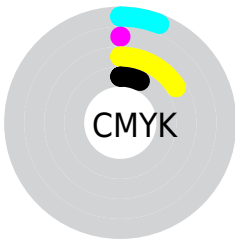
Distribution



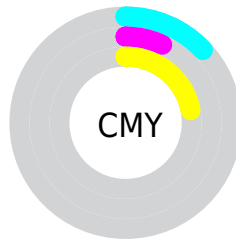
- Red (87%)
- Green (93%)
- Blue (78%)



- Red (78%)
- Yellow (93%)
- Blue (83%)



- Cyan (6%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7357, 79.8024, 65.7081 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 70.7357, 79.8024, 65.7081 by changing the saturation by 10% instead.

70.7357, 79.8024,
65.7081

70.7357, 79.8024,
65.7081

452.3552,
494.2667, 463.7079

52.4083, 59.5558,
47.5805

119.2779,
133.0879, 114.6903

37.5562, 43.0607,
33.1372

150.2234,
166.8955, 146.3819

25.8141, 29.9327,
21.9596

186.1056,
205.9923, 183.4320

16.8166, 19.7875,
13.6292

227.2899,
250.7625, 226.2591

10.1983, 12.2407,
7.7274

274.1417,
301.5907, 275.2817

5.5939, 6.9078,
3.8358

327.0262,

2.6380, 3.4045,

358.8612, 330.9183

1.5357

386.3090,
422.9584, 393.5875

■ 0.9654, 1.3464,
0.2443

■ 0.0000, 0.1767,
0.0000

■ 70.7357, 79.8024,
65.7081

■ 70.7357, 79.8024,
65.7081

■ 65.7127, 77.5078,
52.2615

■ 76.3132, 82.3385,
81.4022

■ 61.2166, 75.4356,
40.9544

■ 82.4588, 85.1139,
99.4349

■ 57.2265, 73.5798,
31.6774

■ 86.7172, 87.1493,
106.8588

■ 53.7177, 71.9304,
24.3097

■ 89.2871, 88.4741,
106.9790

■ 50.6628, 70.4762,
18.7175

■ 48.0314, 69.2047,
14.7496

■ 45.7878, 68.1015,
12.2298

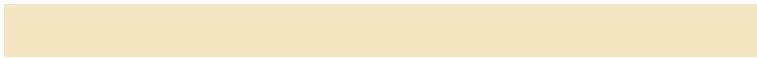
■ 43.8889, 67.1492,
10.9407

■ 43.1459, 66.7726,
10.6144

Harmonies

Analogous

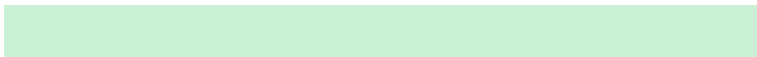
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3660, 79.8024, 62.1327



70.7357, 79.8024, 65.7081



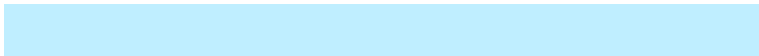
67.5893, 79.8024, 74.9053

Triad

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



70.7357, 79.8024, 65.7081



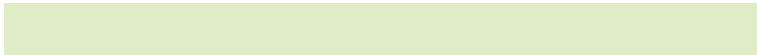
71.5402, 79.8024, 113.8527



85.8902, 79.8024, 85.5102

Complementary

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



70.7357, 79.8024, 65.7081



62.7183, 60.9022, 87.8108

Split Complementary

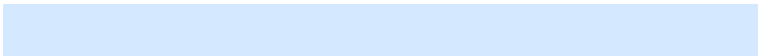
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7573, 79.8024, 100.0922



70.7357, 79.8024, 65.7081



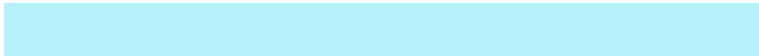
76.3356, 79.8024, 117.4826

Square

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



70.7357, 79.8024, 65.7081



68.0392, 79.8024, 102.7580



81.2046, 79.8024, 112.1983



84.2364, 79.8024, 72.7481

Rectangle

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



70.7357, 79.8024, 65.7081



66.6809, 79.8024, 83.5154



81.2046, 79.8024, 112.1983



85.8228, 79.8024, 90.3569

Sweetspot

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



70.7378, 79.8059, 65.7098



91.4352, 98.3659, 98.3688



68.4348, 69.0210, 63.7495



19.4651, 21.0064, 20.7503



0.0000, 0.0000, 0.0000



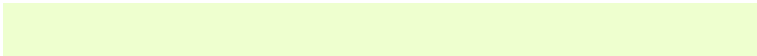
20.3446, 21.4041, 23.3091

Same Dimension

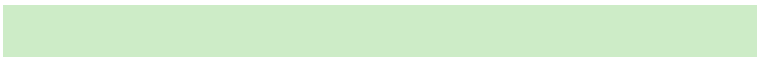
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7378, 79.8059, 65.7098



82.2183, 94.1754, 72.5878



65.3597, 77.0333, 65.4581



15.8084, 17.3468, 16.0338



23.9270, 36.8793, 5.8573



1.9823, 2.9493, 0.4648

Inverse Universe

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



62.7183, 60.9022, 87.8108



70.8636, 67.4077, 103.8838



68.3444, 63.8026, 88.0741



14.7306, 14.8064, 19.0038



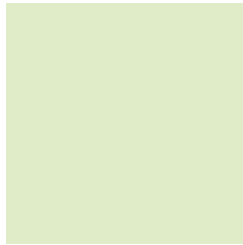
10.4359, 4.4158, 44.0453



0.9204, 0.3988, 3.4633

Previews

White Background



This preview shows how the XYZ color 70.7357, 79.8024, 65.7081 looks on a white background.

Color Contrast Check

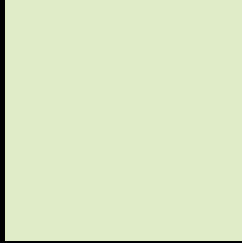
Large Text (above 18pt) WCAG AA × Fail

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 70.7357, 79.8024, 65.7081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

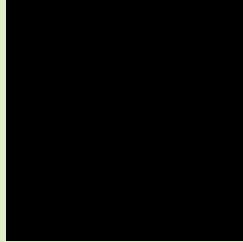
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

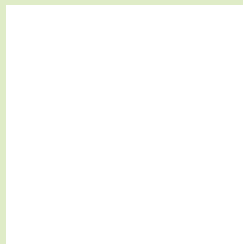
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7357, 79.8024, 65.7081

Background



This preview shows how black text looks on a background with the XYZ color 70.7357, 79.8024, 65.7081.

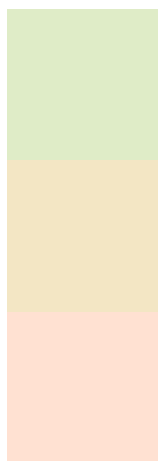


This preview shows how white text looks on a background with the XYZ color 70.7357, 79.8024,

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

70.7357, 79.8024, 65.7081

Protanopia

75.2228, 79.6338, 63.6308

Deuteranopia

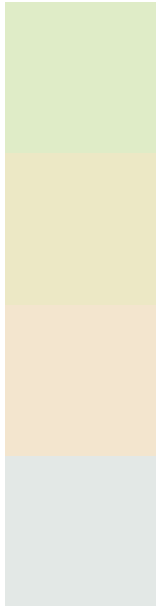
79.7981, 79.7636, 72.1629



Tritanopia

77.4409, 79.5770, 99.2740

Trichromacy



Original Color

70.7357, 79.8024, 65.7081

Protanomaly

73.5267, 79.5773, 64.3080

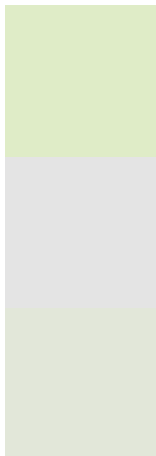
Deuteranomaly

76.1220, 79.5495, 69.7351

Tritanomaly

74.8181, 79.7573, 86.3143

Monochromacy



Original Color

70.7357, 79.8024, 65.7081

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.4643, 78.3303, 76.9456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7357, 79.8024, 65.7081 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(223, 236, 199)` looks like.

```
.text, #text, p{  
    color:rgb(223, 236, 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(223, 236, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 236, 199) }
```

Border

The CSS property to change the border of an element to XYZ 70.7357, 79.8024, 65.7081 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(223, 236, 199) }
```


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

```
.border{ border-color:rgb(223, 236, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 236, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 236, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 236, 199);  
box-shadow:4px 4px 4px 4px rgb(223, 236,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7357, 79.8024, 65.7081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 236, 199) }
```

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

```
.background{ background-color: rgb(223,  
236, 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](#).

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