

# Converting Colors

XYZ(70.8600, 79.1670, 73.3571)

Have a look what the booklet for  
XYZ(70.8600, 79.1670, 73.3571)  
contains.

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# **Color**

**XYZ(70.9814, 79.3355,  
73.2002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCEBD3
RGB	220, 235, 211
RGB Percent	86%, 92%, 83%
CMY	0.1373, 0.0784, 0.1725
CMYK	0.06, 0.00, 0.10, 0.08
HSL	98°, 38%, 87%
HSV	98°, 10%, 92%
XYZ	70.9814, 79.3355, 73.2002
YIQ	227.7790, -1.2360, -10.6440

# Conversions

## Conversions Part 2

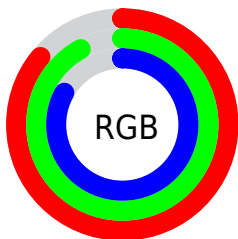
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 235, 226
Decimal	14478291
CIE <sub>Lab</sub>	91.39, -9.24, 9.94
CIE <sub>LCh</sub>	91, 13.571, 132.891
Yxy	79.3355, 0.3176, 0.3549
Android (android.graphics.Color)	4292668371 (0xFFDCEBD3)
YUV	227.7790, -8.2720, -6.8222
Hunter-Lab	89.0705, -13.6244, 13.6234

# Details

The XYZ color **70.9814, 79.3355, 73.2002** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.6569, 68.7577, 88.2017**, and the grayscale version is **73.6424, 77.4775, 84.3730**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6379, 42.6398, 37.6991** is the 20% darker color. If you saturate the color by 10%, you get **63.9961, 76.0527, 58.6022**, and if you desaturate by 10%, it is **78.7925, 82.9989, 90.0884**.

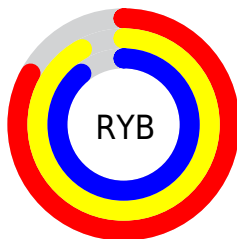
# Distribution



Red (86%)

Green (92%)

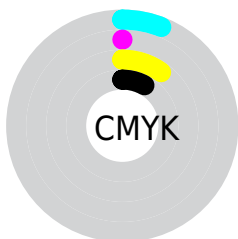
Blue (83%)



Red (83%)

Yellow (92%)

Blue (89%)

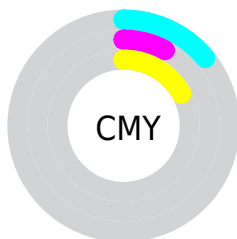


Cyan (6%)

Magenta (0%)

Yellow (10%)

Black (8%)



Cyan (14%)

Magenta (8%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9814, 79.3355, 73.2002 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 70.9814, 79.3355, 73.2002 by changing the saturation by 10% instead.



70.9814, 79.3355,  
73.2002

70.9814, 79.3355,  
73.2002

453.2013,  
492.6906, 490.7978

52.6095, 59.1717,  
53.6469

119.6259,  
132.4311, 125.4849

37.7174, 42.7513,  
37.9282

150.6292,  
166.1316, 159.0534

25.9396, 29.6901,  
25.6255

186.5737,  
205.1132, 198.1307

16.9109, 19.6035,  
16.3205

227.8247,  
249.7603, 243.1353

10.2659, 12.1071,  
9.5944

274.7476,  
300.4571, 294.4857

5.6392, 6.8167,  
5.0288

327.7078,

2.6655, 3.3477,

357.5882, 352.6006

2.2051

387.0705,  
421.5379, 417.8984

■ 0.9795, 1.3158,  
0.6773

■ 0.0000, 0.1534,  
0.0000

■ 70.9814, 79.3355,  
73.2002

■ 70.9814, 79.3355,  
73.2002

■ 63.9961, 76.0527,  
58.6022

■ 78.7925, 82.9989,  
90.0884

■ 57.8016, 73.1275,  
46.1909

■ 86.9628, 86.8497,  
106.7880

■ 52.3695, 70.5502,  
35.8621

■ 88.9999, 87.8999,  
106.8833

■ 47.6674, 68.3064,  
27.5016

■ 43.6602, 66.3807,  
20.9838

■ 40.3095, 64.7564,  
16.1688

■ 37.5722, 63.4149,  
12.8966

■ 35.3988, 62.3347,  
10.9766

■ 33.7445, 61.4998,  
10.0921

# Harmonies

## Analogous

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



73.9360, 79.3355, 69.1582



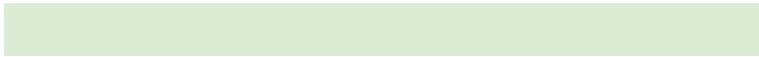
70.9814, 79.3355, 73.2002



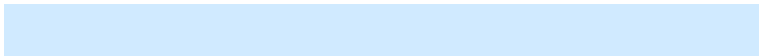
69.2430, 79.3355, 80.9144

# Triad

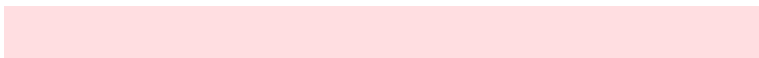
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9814, 79.3355, 73.2002



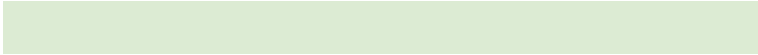
73.4716, 79.3355, 105.8387



82.0579, 79.3355, 82.2141

# Complementary

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



70.9814, 79.3355, 73.2002



69.6569, 68.7577, 88.2017

# 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.



81.9243, 79.3355, 92.0924



70.9814, 79.3355, 73.2002



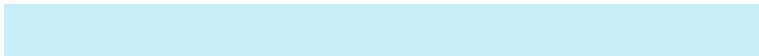
76.8954, 79.3355, 106.2535

# Square

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



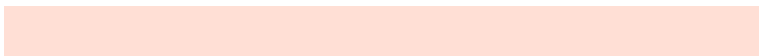
70.9814, 79.3355, 73.2002



70.6504, 79.3355, 99.9665



80.0108, 79.3355, 101.0602

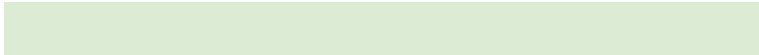


80.3704, 79.3355, 74.0891



# Rectangle

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



70.9814, 79.3355, 73.2002



68.9741, 79.3355, 87.3444



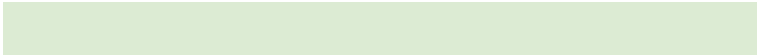
80.0108, 79.3355, 101.0602



82.2259, 79.3355, 85.4284

# Sweetspot

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



70.9836, 79.3389, 73.2019



92.1051, 98.6213, 102.4605



73.1640, 76.6526, 72.5685



19.5492, 21.0317, 21.5717



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.



70.9836, 79.3389, 73.2019



83.8186, 94.7346, 84.6737



68.6868, 78.1140, 74.9433



15.4019, 17.1372, 16.0148



18.9094, 34.2926, 5.6225



1.5884, 2.7462, 0.4463



# Inverse Universe

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



69.6569, 68.7577, 88.2017



81.9578, 79.8953, 105.7094



72.1522, 70.0904, 86.2228



15.1359, 15.0153, 19.0227



15.1779, 6.8604, 44.2672

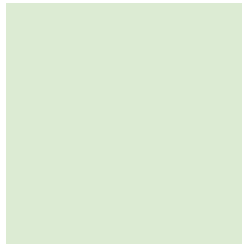


1.2978, 0.5933, 3.4810



# Previews

## White Background



This preview shows how the XYZ color 70.9814, 79.3355, 73.2002 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

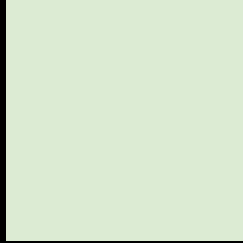
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.9814, 79.3355, 73.2002 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

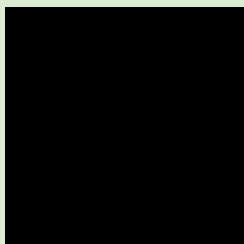
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

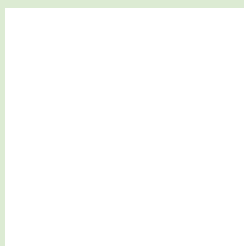
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.9814, 79.3355, 73.2002**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.9814, 79.3355, 73.2002.



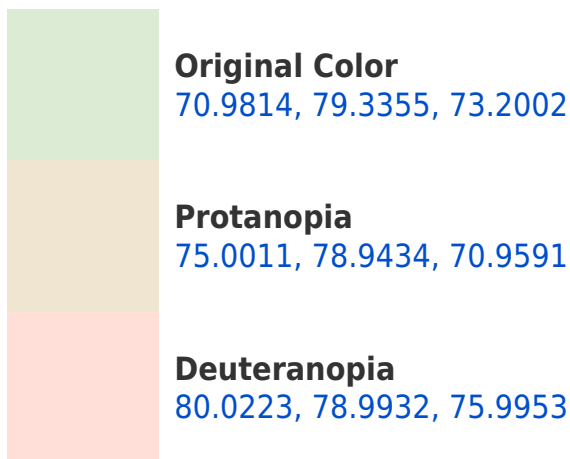
This preview shows how white text looks on a background with the XYZ color 70.9814, 79.3355,



# 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

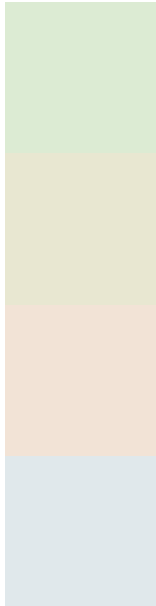




## Tritanopia

76.6041, 79.5397, 100.1222

# Trichromacy



## Original Color

70.9814, 79.3355, 73.2002

## Protanomaly

73.3632, 78.9111, 71.6863

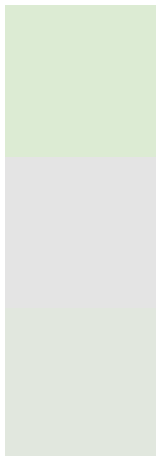
## Deuteranomaly

76.2246, 78.6705, 74.7858

## Tritanomaly

74.5925, 79.5587, 90.0222

# Monochromacy



## Original Color

70.9814, 79.3355, 73.2002

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.8121, 78.4333, 80.4088

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.9814, 79.3355, 73.2002 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(220, 235, 211)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 211)  
}
```

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(220, 235, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 70.9814, 79.3355, 73.2002 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(220, 235, 211) }
```



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

```
.border{ border-color:rgb(220, 235, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 235, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 211);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.9814, 79.3355, 73.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 235, 211) }
```

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

```
.background{ background-color: rgb(220,  
235, 211) }
```

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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