

# Converting Colors

XYZ(70.8014, 78.3731, 55.1119)

Have a look what the booklet for  
XYZ(70.8014, 78.3731, 55.1119)  
contains.

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# **Color**

**XYZ(70.8014, 78.3731,  
55.1119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E8B5
RGB	233, 232, 181
RGB Percent	91%, 91%, 71%
CMY	0.0863, 0.0902, 0.2902
CMYK	0.00, 0.00, 0.22, 0.09
HSL	59°, 54%, 81%
HSV	59°, 22%, 91%
XYZ	70.8014, 78.3731, 55.1119
YIQ	226.4850, 16.9670, -15.6490

# Conversions

## Conversions Part 2

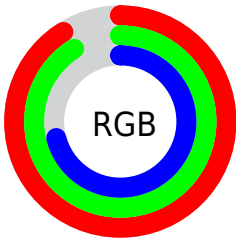
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 233, 181
Decimal	15329461
CIELab	90.95, -7.74, 25.01
CIELCh	91, 26.178, 107.200
Yxy	78.3731, 0.3466, 0.3836
Android (android.graphics.Color)	4293519541 (0xFFE9E8B5)
YUV	226.4850, -22.4241, 5.7137
Hunter-Lab	88.5286, -12.1683, 25.0601

# Details

The XYZ color **70.8014, 78.3731, 55.1119** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.4918, 49.1617, 83.9192**, and the grayscale version is **72.7904, 76.5812, 83.3969**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **37.5531, 41.9563, 26.5412** is the 20% darker color. If you saturate the color by 10%, you get **68.4834, 77.2481, 43.5143**, and if you desaturate by 10%, it is **73.5237, 79.6657, 68.8187**.

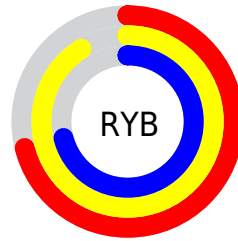
# Distribution



Red (91%)

Green (91%)

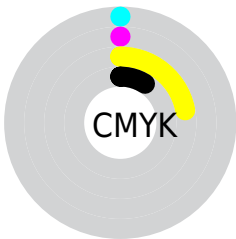
Blue (71%)



Red (71%)

Yellow (91%)

Blue (71%)

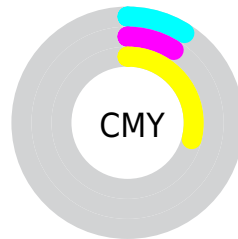


Cyan (0%)

Magenta (0%)

Yellow (22%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8014, 78.3731, 55.1119 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 70.8014, 78.3731, 55.1119 by changing the saturation by 10% instead.



70.8014, 78.3731,  
55.1119

70.8014, 78.3731,  
55.1119

452.5815,  
489.4330, 423.6299

52.4621, 58.3805,  
39.0921

119.3710,  
131.0759, 99.1777

37.5993, 42.1146,  
26.5230

150.3319,  
164.5550, 128.0608

25.8476, 29.1911,  
16.9861

186.2308,  
203.2983, 162.0687

16.8418, 19.2254,  
10.0627

227.4329,  
247.6903, 201.6200

10.2163, 11.8333,  
5.3344

274.3037,  
298.1154, 247.1332

5.6060, 6.6302,  
2.3826

327.2085,

2.6454, 3.2320,

354.9579, 299.0269

0.7770

386.5127,  
418.6023, 357.7196

■ 0.9691, 1.2540,  
0.0000

■ 0.0000, 0.1052,  
0.0000

■ 70.8014, 78.3731,  
55.1119

■ 70.8014, 78.3731,  
55.1119

■ 68.4834, 77.2481,  
43.5143

■ 73.5237, 79.6657,  
68.8187

■ 66.5436, 76.2722,  
33.9163

■ 76.6627, 81.1228,  
84.7272

■ 64.9627, 75.4404,  
26.2059

■ 80.2377, 82.7548,  
102.9302

■ 63.7167, 74.7430,  
20.2581

■ 81.0171, 83.2691,  
106.4102

■ 62.7792, 74.1696,  
15.9330

■ 81.1440, 83.5229,  
106.4525

■ 62.1195, 73.7078,  
13.0693

■ 81.2712, 83.7773,  
106.4949

■ 61.7007, 73.3428,  
11.4727

■ 81.3988, 84.0323,  
106.5374

■ 61.4977, 73.1103,  
10.8704

■ 81.5266, 84.2880,  
106.5800

■ 81.6548, 84.5444,  
106.6228

# Harmonies

## Analogous

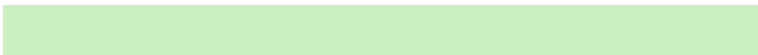
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3384, 78.3731, 54.5742



70.8014, 78.3731, 55.1119



65.5627, 78.3731, 62.9465

# Triad

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



70.8014, 78.3731, 55.1119



66.1973, 78.3731, 114.8756



87.5641, 78.3731, 93.6431

# Complementary

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



70.8014, 78.3731, 55.1119



50.4918, 49.1617, 83.9192

# Split Complementary

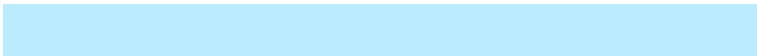
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1958, 78.3731, 112.4873



70.8014, 78.3731, 55.1119



71.7149, 78.3731, 125.9085

# Square

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



70.8014, 78.3731, 55.1119



63.0142, 78.3731, 96.5394



78.3072, 78.3731, 124.9750



87.2836, 78.3731, 75.0328

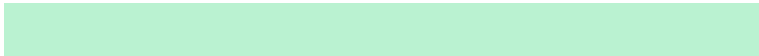


# Rectangle

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



70.8014, 78.3731, 55.1119



63.3943, 78.3731, 72.0115



78.3072, 78.3731, 124.9750



86.8130, 78.3731, 100.2081

# Sweetspot

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



70.8034, 78.3766, 55.1136



92.1992, 98.6856, 94.4245



58.6484, 53.7801, 51.9449



19.6844, 21.0996, 19.9574



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.



70.8034, 78.3766, 55.1136



85.4602, 95.4942, 60.4660



63.6992, 75.1310, 54.8615



16.3258, 17.5746, 16.0505



34.9061, 41.5065, 6.1718



2.7489, 3.2751, 0.4873



# Inverse Universe

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



50.4918, 49.1617, 83.9192



56.2057, 53.4170, 101.9559



56.4832, 51.9490, 84.1414



14.2543, 14.5950, 18.9881



8.3832, 3.4134, 43.9600

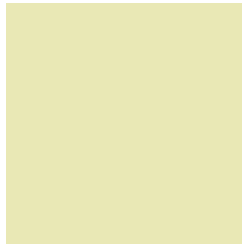


0.6664, 0.2844, 3.4546



# Previews

## White Background



This preview shows how the XYZ color 70.8014, 78.3731, 55.1119 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

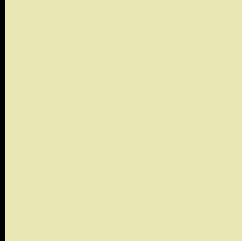
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8014, 78.3731, 55.1119 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

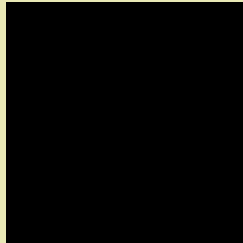
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

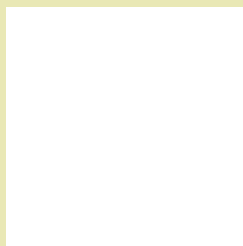
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.8014, 78.3731, 55.1119**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8014, 78.3731, 55.1119.



This preview shows how white text looks on a background with the XYZ color 70.8014, 78.3731,



# 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

70.8014, 78.3731, 55.1119

### Protanopia

73.4642, 78.5264, 53.9330

### Deuteranopia

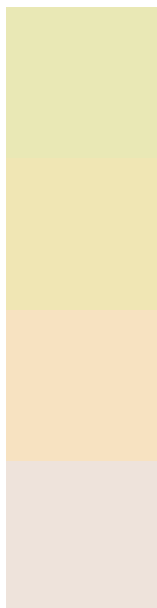
78.0530, 78.2055, 65.6249



## Tritanopia

78.8085, 78.3630, 94.1910

# Trichromacy



## Original Color

70.8014, 78.3731, 55.1119

## Protanomaly

72.4702, 78.4142, 54.4959

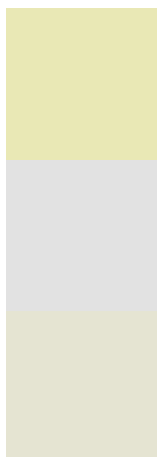
## Deuteranomaly

75.1798, 78.0171, 61.5485

## Tritanomaly

75.5152, 78.2298, 78.1376

# Monochromacy



## Original Color

70.8014, 78.3731, 55.1119

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.6894, 76.7980, 72.0178

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8014, 78.3731, 55.1119 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(233, 232, 181)` looks like.

```
.text, #text, p{  
    color:rgb(233, 232, 181)  
}
```

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(233, 232, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 232, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8014, 78.3731, 55.1119 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(233, 232, 181) }
```



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

```
.border{ border-color:rgb(233, 232, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 232, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 232, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 232, 181);  
box-shadow:4px 4px 4px 4px rgb(233, 232,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8014, 78.3731, 55.1119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 232, 181) }
```

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

```
.background{ background-color: rgb(233,  
232, 181) }
```

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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