

# Converting Colors

XYZ(70.9242, 74.3712, 79.3363)

Have a look what the booklet for  
XYZ(70.9242, 74.3712, 79.3363)  
contains.

<b>XYZ(70.8029, 74.1646, 78.9901)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(70.8029, 74.1646,  
78.9901)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2DFDD
RGB	226, 223, 221
RGB Percent	89%, 87%, 87%
CMY	0.1137, 0.1255, 0.1333
CMYK	0.00, 0.01, 0.02, 0.11
HSL	24°, 8%, 88%
HSV	24°, 2%, 89%
XYZ	70.8029, 74.1646, 78.9901
YIQ	223.6690, 2.4300, 0.0140

# Conversions

## Conversions Part 2

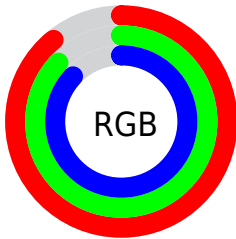
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 224, 221
Decimal	14868445
CIE Lab	89.00, 0.67, 1.33
CIE LCh	89, 1.485, 63.344
Yxy	74.1646, 0.3161, 0.3312
Android (android.graphics.Color)	4293058525 (0xFFE2DFDD)
YUV	223.6690, -1.3158, 2.0443
Hunter-Lab	86.1189, -3.9537, 5.9011

# Details

The XYZ color **70.8029, 74.1646, 78.9901** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.2020, 74.1735, 82.5695**, and the grayscale version is **70.6250, 74.3030, 80.9160**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6802, 39.4164, 41.6986** is the 20% darker color. If you saturate the color by 10%, you get **64.5182, 66.0932, 63.0260**, and if you desaturate by 10%, it is **77.7867, 82.9834, 97.1888**.

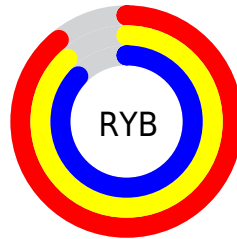
# Distribution



Red (89%)

Green (87%)

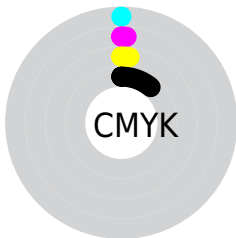
Blue (87%)



Red (89%)

Yellow (88%)

Blue (87%)

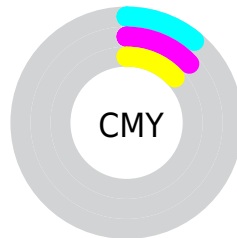


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (13%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8029, 74.1646, 78.9901 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 70.8029, 74.1646, 78.9901 by changing the saturation by 10% instead.



■ 70.8029, 74.1646,  
78.9901

■ 70.8029, 74.1646,  
78.9901

452.5867,  
475.0413, 511.1396

■ 52.4633, 54.9288,  
58.3664

119.3731,  
125.1291, 133.7435

■ 37.6003, 39.3447,  
41.6866

150.3344,  
157.6266, 168.7102

■ 25.8484, 27.0280,  
28.5323

186.2336,  
195.3134, 209.2950

■ 16.8423, 17.5942,  
18.4847

227.4362,  
238.5739, 255.9165

■ 10.2168, 10.6591,  
11.1255

274.3074,  
287.7926, 308.9932

■ 5.6063, 5.8381,  
6.0361

327.2127,

■ 2.6456, 2.7469,

343.3538, 368.9435

2.7979

386.5173,  
405.6419, 436.1862

■ 0.9692, 1.0011,  
0.9924

■ 0.0000, 0.0000,  
0.0000

■ 70.8029, 74.1646,  
78.9901

■ 70.8029, 74.1646,  
78.9901

■ 64.5182, 66.0932,  
63.0260

■ 77.7867, 82.9834,  
97.1888

■ 58.9033, 58.7398,  
49.2046

■ 83.6282, 91.8164,  
107.9224

■ 53.9364, 52.0866,  
37.4351

■ 85.1745, 94.9090,  
108.4378

■ 49.5917, 46.1117,  
27.6179

■ 45.8415, 40.7922,  
19.6452

■ 42.6561, 36.1032,  
13.3984

■ 40.0025, 32.0184,  
8.7453

■ 37.8436, 28.5090,  
5.5336

■ 36.1361, 25.5427,  
3.5809

# Harmonies

## Analogous

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



71.0723, 74.1646, 79.6656



70.8029, 74.1646, 78.9901



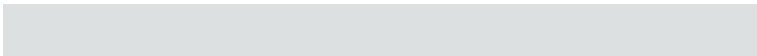
70.4508, 74.1646, 78.7855

# Triad

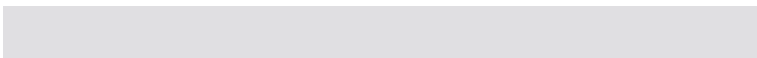
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8029, 74.1646, 78.9901



69.8010, 74.1646, 80.8686



70.8732, 74.1646, 82.4237

# Complementary

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



70.8029, 74.1646, 78.9901



70.2020, 74.1735, 82.5695

# 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.



70.5317, 74.1646, 82.7522



70.8029, 74.1646, 78.9901



69.9133, 74.1646, 81.8496

# Square

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



70.8029, 74.1646, 78.9901



69.8731, 74.1646, 79.8646



70.1805, 74.1646, 82.5412



71.1130, 74.1646, 81.6472



# Rectangle

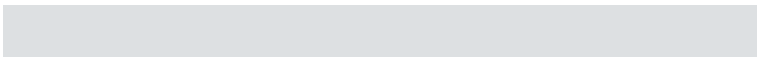
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



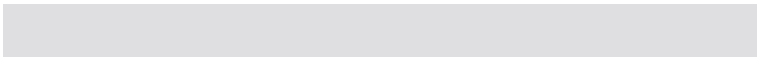
70.8029, 74.1646, 78.9901



70.2167, 74.1646, 78.9423



70.1805, 74.1646, 82.5412



70.7665, 74.1646, 82.5905

# Sweetspot

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



70.8050, 74.1678, 78.9917



94.1566, 98.8658, 106.5902



70.6761, 73.2646, 80.9386



20.1628, 21.1733, 22.8390



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.



70.8050, 74.1678, 78.9917



92.3976, 96.6271, 102.0601



71.4769, 75.5115, 79.2157



14.9223, 15.5810, 16.3281



20.1159, 13.6696, 1.5783



1.4803, 1.1194, 0.1380

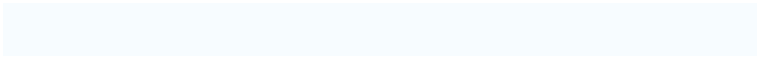


# Inverse Universe

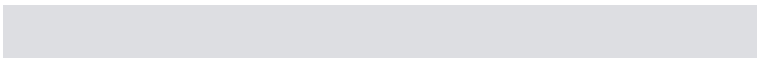
The Inverse Universe completely reimagines the original color for something new.



70.2020, 74.1735, 82.5695



91.3210, 96.6372, 108.4475



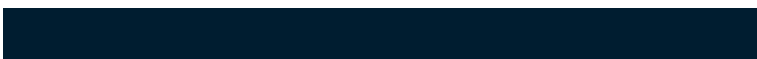
69.5360, 72.8416, 82.3475



14.7045, 15.5831, 17.6205



12.9273, 13.3241, 42.9388

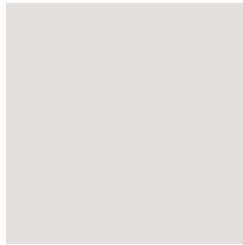


0.9830, 1.0974, 3.0053



# Previews

## White Background



This preview shows how the XYZ color 70.8029, 74.1646, 78.9901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

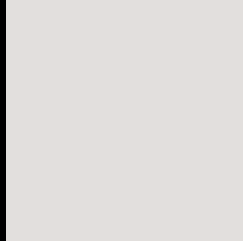
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8029, 74.1646, 78.9901 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

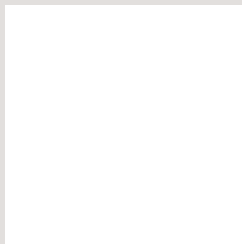
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.8029, 74.1646, 78.9901

## Background



This preview shows how black text looks on a background with the XYZ color 70.8029, 74.1646, 78.9901.



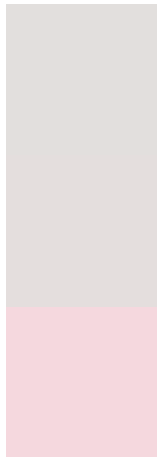
This preview shows how white text looks on a background with the XYZ color 70.8029, 74.1646,



# 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

70.8029, 74.1646, 78.9901

### Protanopia

71.1673, 73.9570, 78.9308

### Deuteranopia

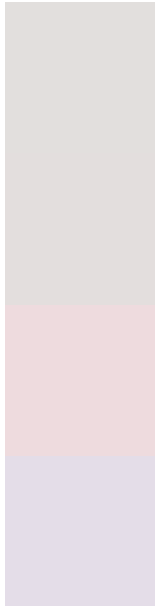
75.3969, 73.7981, 79.3779



## Tritanopia

73.3389, 74.0175, 91.3103

# Trichromacy



## Original Color

70.8029, 74.1646, 78.9901

## Protanomaly

70.8510, 73.7939, 78.9160

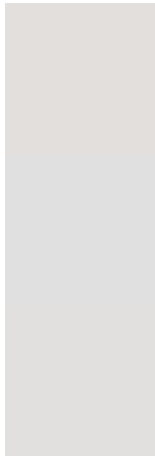
## Deuteranomaly

73.7762, 74.1141, 79.5243

## Tritanomaly

72.4168, 74.0331, 86.8170

# Monochromacy



## Original Color

70.8029, 74.1646, 78.9901

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.0263, 74.6466, 80.4768

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8029, 74.1646, 78.9901 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(226, 223, 221) looks like.

```
.text, #text, p{  
    color:rgb(226, 223, 221)  
}
```

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(226, 223, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 223, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8029, 74.1646, 78.9901 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(226, 223, 221) }
```



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

```
.border{ border-color:rgb(226, 223, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 223, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 223, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 223, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 223,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8029, 74.1646, 78.9901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 223, 221) }
```

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

```
.background{ background-color: rgb(226,  
223, 221) }
```

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