

# Converting Colors

XYZ(72.1230, 79.5848, 71.5327)

Have a look what the booklet for XYZ(72.1230, 79.5848, 71.5327) contains.

- XYZ(72.1720, 79.5685, 71.2289) ..... 3**
- Conversions* ..... 4**
- Details* ..... 6**
- Harmonies* ..... 12**
- Previews* ..... 24**
- Color Blindness Simulation* ..... 28**
- CSS Examples* ..... 31**

# Color

**XYZ(72.1720, 79.5685,  
71.2289)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2EAD0
RGB	226, 234, 208
RGB Percent	89%, 92%, 82%
CMY	0.1137, 0.0823, 0.1843
CMYK	0.03, 0.00, 0.11, 0.08
HSL	78°, 38%, 87%
HSV	78°, 11%, 92%
XYZ	72.1720, 79.5685, 71.2289
YIQ	228.6440, 3.5780, -9.7820

# Conversions

## Conversions Part 2

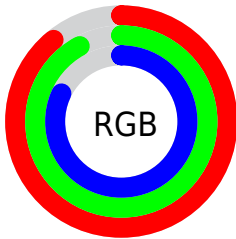
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 234, 216
Decimal	14871248
CIE <sub>Lab</sub>	91.49, -7.17, 11.71
CIE <sub>LCh</sub>	91, 13.730, 121.466
Yxy	79.5685, 0.3237, 0.3569
Android (android.graphics.Color)	4293061328 (0xFFE2EAD0)
YUV	228.6440, -10.1775, -2.3188
Hunter-Lab	89.2012, -11.6791, 15.0966

# Details

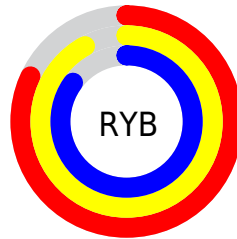
The XYZ color **72.1720, 79.5685, 71.2289** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.7293, 65.6534, 87.0543**, and the grayscale version is **74.2870, 78.1557, 85.1116**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5477, 42.8318, 36.8075** is the 20% darker color. If you saturate the color by 10%, you get **67.2919, 77.3635, 57.0645**, and if you desaturate by 10%, it is **77.5762, 81.9992, 87.6384**.

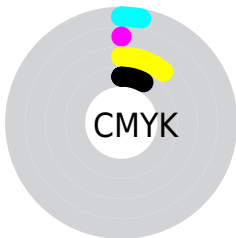
# Distribution



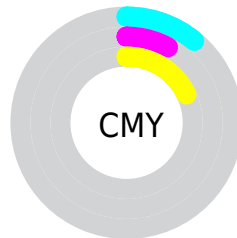
- Red (89%)
- Green (92%)
- Blue (82%)



- Red (82%)
- Yellow (92%)
- Blue (85%)



- Cyan (3%)
- Magenta (0%)
- Yellow (11%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1720, 79.5685, 71.2289 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 72.1720, 79.5685, 71.2289 by changing the saturation by 10% instead.



■ 72.1720, 79.5685,  
71.2289

■ 72.1720, 79.5685,  
71.2289

457.2884,  
493.4775, 483.7584

■ 53.5852, 59.3633,  
52.0460

121.3105,  
132.7589, 122.6571

■ 38.4995, 42.9057,  
36.6593

152.5929,  
166.5129, 155.7395

■ 26.5495, 29.8111,  
24.6501

188.8378,  
205.5520, 194.2922

■ 17.3700, 19.6953,  
15.5999

230.4107,  
250.2606, 238.7337

■ 10.5956, 12.1737,  
9.0902

277.6768,  
301.0230, 289.4825

■ 5.8609, 6.8621,  
4.7024

331.0016,

■ 2.8005, 3.3760,

358.2237, 346.9572

2.0181

390.7503,  
422.2471, 411.5763

■ 1.0492, 1.3310,  
0.5664

■ 0.0000, 0.1651,  
0.0000

■ 72.1720, 79.5685,  
71.2289

■ 72.1720, 79.5685,  
71.2289

■ 67.2919, 77.3635,  
57.0645

■ 77.5762, 81.9992,  
87.6384

■ 62.9097, 75.3660,  
45.0425

■ 83.5165, 84.6529,  
106.3794

■ 59.0065, 73.5707,  
35.0595

■ 86.0481, 85.9544,  
106.6634

■ 55.5595, 71.9685,  
27.0021

■ 88.6463, 87.2938,  
106.7850

■ 52.5439, 70.5493,  
20.7453

■ 88.7145, 87.3289,  
106.7882

■ 49.9319, 69.3017,  
16.1497

■ 47.6918, 68.2131,  
13.0552

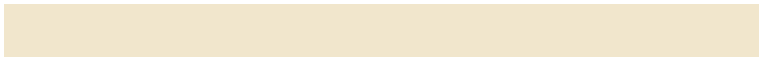
■ 45.7860, 67.2682,  
11.2705

■ 44.3190, 66.5273,  
10.5052

# Harmonies

## Analogous

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



75.4556, 79.5685, 68.7782



72.1720, 79.5685, 71.2289



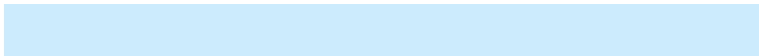
69.8733, 79.5685, 77.7604

# Triad

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



72.1720, 79.5685, 71.2289



72.4611, 79.5685, 104.6776



82.5496, 79.5685, 86.1450

# Complementary

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



72.1720, 79.5685, 71.2289



65.7293, 65.6534, 87.0543

# Split Complementary

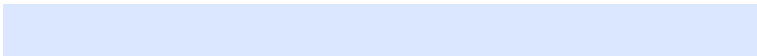
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6892, 79.5685, 96.1637



72.1720, 79.5685, 71.2289



75.7996, 79.5685, 107.3460

# Square

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



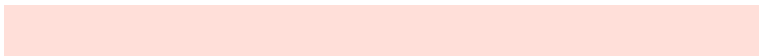
72.1720, 79.5685, 71.2289



70.0365, 79.5685, 97.0811



79.1915, 79.5685, 104.1198



81.5083, 79.5685, 76.9694



# Rectangle

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



72.1720, 79.5685, 71.2289



69.1716, 79.5685, 83.8104



79.1915, 79.5685, 104.1198



82.4731, 79.5685, 89.5256

# Sweetspot

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



72.1742, 79.5720, 71.2306



92.9815, 99.0731, 102.5015



69.8244, 71.0584, 69.7112



19.7857, 21.1536, 21.5828



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

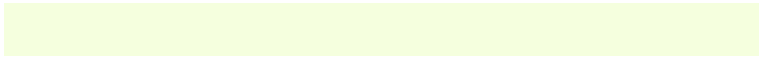


# Same Dimension

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



72.1742, 79.5720, 71.2306



86.5096, 96.1616, 83.0034



68.3092, 77.5795, 71.0497



15.8746, 17.3809, 16.0369



25.0379, 37.4520, 5.9093



2.0636, 2.9912, 0.4686



# Inverse Universe

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



65.7293, 65.6534, 87.0543



77.4279, 76.5478, 105.3021



69.6593, 67.6794, 87.2382



14.6673, 14.7738, 19.0008



9.9616, 4.1713, 44.0231

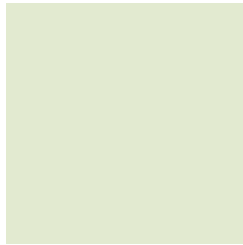


0.8774, 0.3766, 3.4613



# Previews

## White Background



This preview shows how the XYZ color 72.1720, 79.5685, 71.2289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

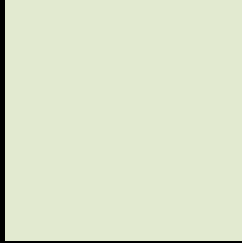
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1720, 79.5685, 71.2289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

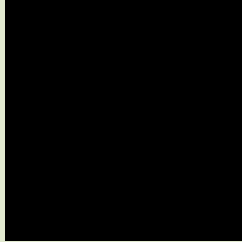
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

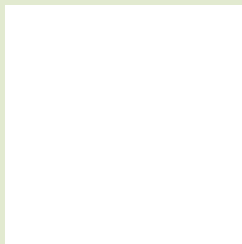
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.1720, 79.5685, 71.2289**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1720, 79.5685, 71.2289.



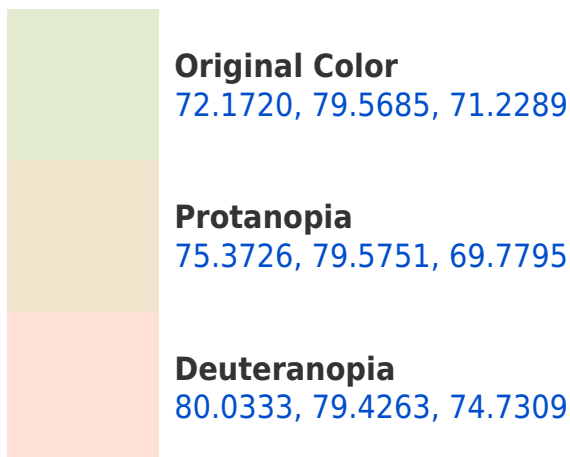
This preview shows how white text looks on a background with the XYZ color 72.1720, 79.5685,

71.2289.

# 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

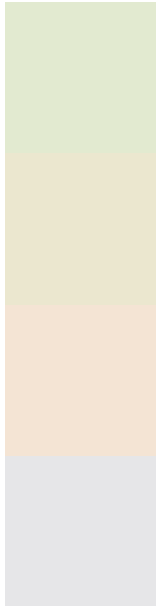




## Tritanopia

77.6567, 79.2964, 98.4016

# Trichromacy



## Original Color

72.1720, 79.5685, 71.2289

## Protanomaly

74.0993, 79.3190, 70.4361

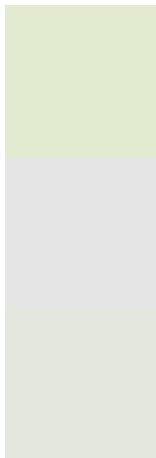
## Deuteranomaly

76.9353, 79.4734, 73.5723

## Tritanomaly

75.4954, 79.2428, 87.6603

# Monochromacy



## Original Color

72.1720, 79.5685, 71.2289

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

73.6220, 78.8663, 79.7490

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1720, 79.5685, 71.2289 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, 234, 208) looks like.

```
.text, #text, p{  
    color:rgb(226, 234, 208)  
}
```

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, 234, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 234, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1720, 79.5685, 71.2289 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, 234, 208) }
```



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

```
.border{ border-color:rgb(226, 234, 208) }
```

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

Here you see how a box with a 4 pixel rgb(226, 234, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 234, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 234, 208);  
box-shadow:4px 4px 4px 4px rgb(226, 234,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1720, 79.5685, 71.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 234, 208) }
```

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

```
.background{ background-color: rgb(226,  
234, 208) }
```

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