

# Converting Colors

XYZ(73.6774, 82.5710, 81.7748)

Have a look what the booklet for  
XYZ(73.6774, 82.5710, 81.7748)  
contains.

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# Color

**XYZ(73.6928, 82.7080,  
81.8922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF0DF
RGB	219, 240, 223
RGB Percent	86%, 94%, 87%
CMY	0.1412, 0.0588, 0.1255
CMYK	0.09, 0.00, 0.07, 0.06
HSL	131°, 41%, 90%
HSV	131°, 9%, 94%
XYZ	73.6928, 82.7080, 81.8922
YIQ	231.7830, -7.0590, -9.7390

# Conversions

## Conversions Part 2

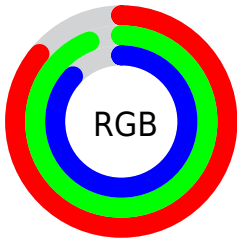
Format	Color
R <sub>Y</sub> B	219, 237, 240
Decimal	14414047
CIE Lab	92.89, -10.00, 5.85
CIE LCh	93, 11.587, 149.661
Yxy	82.7080, 0.3093, 0.3471
Android (android.graphics.Color)	4292604127 (0xFFDBF0DF)
YUV	231.7830, -4.3300, -11.2107
Hunter-Lab	90.9439, -14.5115, 10.2719

# Details

The XYZ color **73.6928, 82.7080, 81.8922** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.4101, 75.2465, 89.8577**, and the grayscale version is **76.5766, 80.5645, 87.7348**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5182, 45.0006, 43.6489** is the 20% darker color. If you saturate the color by 10%, you get **64.5154, 78.2648, 68.5643**, and if you desaturate by 10%, it is **84.2165, 87.8152, 96.8559**.

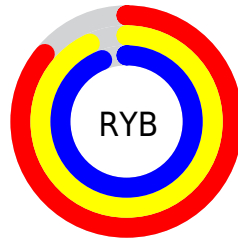
# Distribution



Red (86%)

Green (94%)

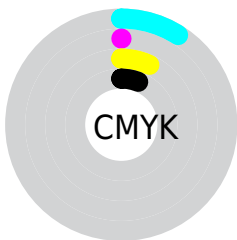
Blue (87%)



Red (86%)

Yellow (93%)

Blue (94%)

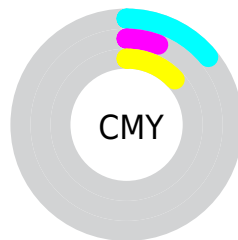


Cyan (9%)

Magenta (0%)

Yellow (7%)

Black (6%)



Cyan (14%)

Magenta (6%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6928, 82.7080, 81.8922 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 73.6928, 82.7080, 81.8922 by changing the saturation by 10% instead.



73.6928, 82.7080,  
81.8922

73.6928, 82.7080,  
81.8922

462.4791,  
504.0128, 521.1610

54.8330, 61.9493,  
60.7414

123.4581,  
137.1664, 137.8581

39.5014, 44.9917,  
43.5873

155.0943,  
171.6349, 173.5104

27.3325, 31.4509,  
30.0114

191.7200,  
211.4421, 214.8334

17.9609, 20.9424,  
19.5951

233.7007,  
256.9725, 262.2460

11.0215, 13.0819,  
11.9199

281.4015,  
308.6103, 316.1664

6.1487, 7.4850,  
6.5673

335.1880,

2.9772, 3.7672,

366.7401, 377.0134

3.1187

395.4254,  
431.7461, 445.2054

■ 1.1417, 1.5442,  
1.1556

■ 0.0596, 0.3195,  
0.0000

■ 73.6928, 82.7080,  
81.8922

■ 73.6928, 82.7080,  
81.8922

■ 64.5154, 78.2648,  
68.5643


■ 84.2165, 87.8152,  
96.8559


■ 56.6230, 74.4481,  
56.8112


■ 90.4517, 90.8034,  
107.3672


■ 49.9597, 71.2326,  
46.5764


■ 44.4627, 68.5874,  
37.7979

 40.0636, 66.4786,  
30.4091

 36.6868, 64.8686,  
24.3387

 34.2469, 63.7152,  
19.5088

 32.6438, 62.9684,  
15.8330

 31.7355, 62.5573,  
13.2130

# Harmonies

## Analogous

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



75.7652, 82.7080, 76.3284



73.6928, 82.7080, 81.8922



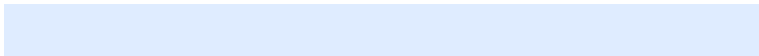
72.9318, 82.7080, 89.9564

# Triad

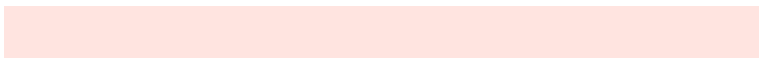
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.6928, 82.7080, 81.8922



78.5770, 82.7080, 107.7797



83.7802, 82.7080, 82.0526

# Complementary

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



73.6928, 82.7080, 81.8922



76.4101, 75.2465, 89.8577

# 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.



84.5786, 82.7080, 90.1536



73.6928, 82.7080, 81.8922



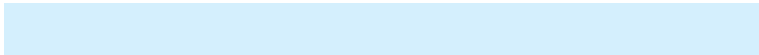
81.5281, 82.7080, 105.3358

# Square

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



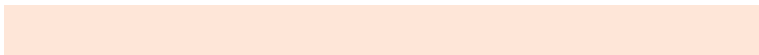
73.6928, 82.7080, 81.8922



75.7071, 82.7080, 105.2263



83.7443, 82.7080, 98.7429

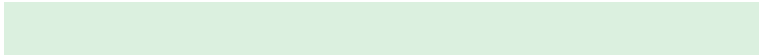


81.5892, 82.7080, 76.4168



# Rectangle

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



73.6928, 82.7080, 81.8922



73.2551, 82.7080, 95.7826



83.7443, 82.7080, 98.7429



84.2228, 82.7080, 84.5603

# Sweetspot

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



73.6951, 82.7115, 81.8940



91.3101, 98.1854, 103.6038



78.5916, 85.2973, 79.3407



19.3354, 20.9144, 21.8788



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

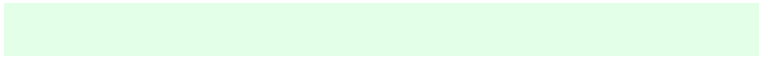


# Same Dimension

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



73.6951, 82.7115, 81.8940



82.0298, 93.6856, 90.3213



75.1342, 83.2872, 89.4724



15.6889, 17.7056, 17.3846



17.3604, 34.2362, 7.2807



1.4776, 2.8615, 0.7815



# Inverse Universe

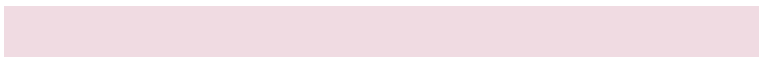
The Inverse Universe completely reimagines the original color for something new.



76.4101, 75.2465, 89.8577



85.8971, 83.0515, 101.6648



74.9488, 74.6620, 82.1629



16.3176, 15.9768, 19.2289



25.0671, 12.2993, 29.3335

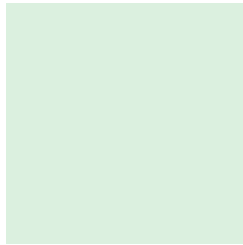


2.1182, 1.0363, 2.6132



# Previews

## White Background



This preview shows how the XYZ color 73.6928, 82.7080, 81.8922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

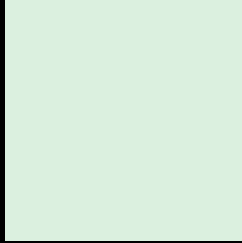
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6928, 82.7080, 81.8922 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

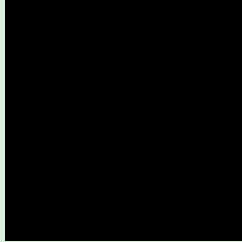
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

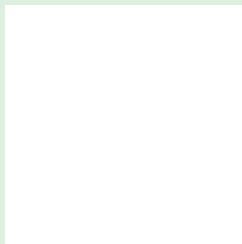
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.6928, 82.7080, 81.8922

## Background



This preview shows how black text looks on a background with the XYZ color 73.6928, 82.7080, 81.8922.



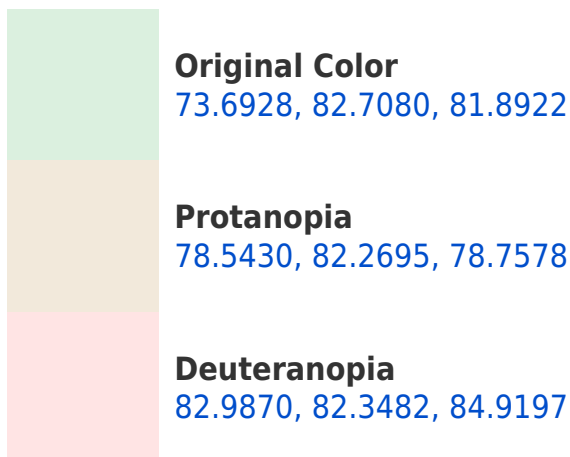
This preview shows how white text looks on a background with the XYZ color 73.6928, 82.7080,

81.8922.

# 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

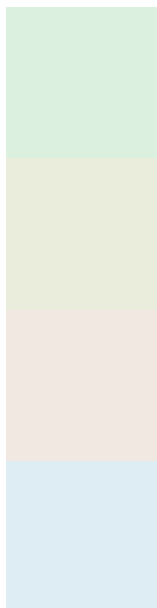




## **Tritanopia**

78.3382, 82.4197, 105.5457

# Trichromacy



## Original Color

73.6928, 82.7080, 81.8922

## Protanomaly

76.8454, 82.6506, 79.6131

## Deuteranomaly

79.2020, 82.0815, 83.6204

## Tritanomaly

76.5860, 82.5690, 96.6949

# Monochromacy



## Original Color

73.6928, 82.7080, 81.8922

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.5297, 81.4047, 85.8606

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6928, 82.7080, 81.8922 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(219, 240, 223) looks like.

```
.text, #text, p{  
    color:rgb(219, 240, 223)  
}
```

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(219, 240, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 240, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6928, 82.7080, 81.8922 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(219, 240, 223) }
```



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

```
.border{ border-color:rgb(219, 240, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 240, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 240, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 240, 223);  
box-shadow:4px 4px 4px 4px rgb(219, 240,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6928, 82.7080, 81.8922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 240, 223) }
```

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

```
.background{ background-color: rgb(219,  
240, 223) }
```

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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