

# Converting Colors

XYZ(73.1281, 82.8751, 68.1163)

Have a look what the booklet for  
XYZ(73.1281, 82.8751, 68.1163)  
contains.

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# Color

**XYZ(72.8721, 82.5920,  
67.9782)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1F0CA
RGB	225, 240, 202
RGB Percent	88%, 94%, 79%
CMY	0.1176, 0.0588, 0.2078
CMYK	0.06, 0.00, 0.16, 0.06
HSL	84°, 56%, 87%
HSV	84°, 16%, 94%
XYZ	72.8721, 82.5920, 67.9782
YIQ	231.1830, 3.2580, -14.9980

# Conversions

## Conversions Part 2

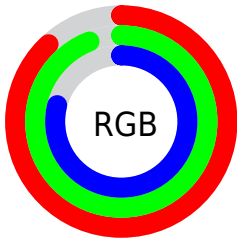
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 240, 217
Decimal	14807242
CIE <sub>Lab</sub>	92.84, -11.49, 16.71
CIE <sub>LCh</sub>	93, 20.282, 124.516
Yxy	82.5920, 0.3261, 0.3696
Android (android.graphics.Color)	4292997322 (0xFFE1F0CA)
YUV	231.1830, -14.3872, -5.4225
Hunter-Lab	90.8801, -15.9103, 19.2673

# Details

The XYZ color **72.8721, 82.5920, 67.9782** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.4673, 63.2863, 91.2075**, and the grayscale version is **76.1959, 80.1640, 87.2986**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0633, 44.9651, 34.6373** is the 20% darker color. If you saturate the color by 10%, you get **67.3766, 80.0646, 54.0231**, and if you desaturate by 10%, it is **78.9781, 85.3879, 84.2722**.

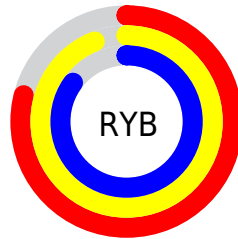
# Distribution



Red (88%)

Green (94%)

Blue (79%)



Red (79%)

Yellow (94%)

Blue (85%)

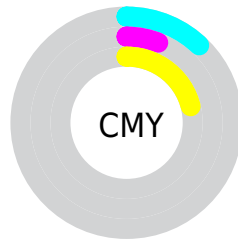


Cyan (6%)

Magenta (0%)

Yellow (16%)

Black (6%)



Cyan (12%)

Magenta (6%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8721, 82.5920, 67.9782 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 72.8721, 82.5920, 67.9782 by changing the saturation by 10% instead.



72.8721, 82.5920,  
67.9782

72.8721, 82.5920,  
67.9782

459.6821,  
503.6258, 472.0147

54.1594, 61.8536,  
49.4134

122.2997,  
137.0039, 117.9749

38.9603, 44.9144,  
34.5796

153.7454,  
171.4462, 150.2439

26.9094, 31.3900,  
23.0583

190.1660,  
211.2252, 187.9180

17.6414, 20.8960,  
14.4308

231.9271,  
256.7254, 231.4158

10.7910, 13.0480,  
8.2788

279.3938,  
308.3312, 281.1558

5.9927, 7.4616,  
4.1835

332.9317,

2.8813, 3.7524,

366.4269, 337.5566

1.7266

392.9060,  
431.3970, 401.0368

■ 1.0913, 1.5361,  
0.3788

■ 0.0178, 0.3139,  
0.0000

■ 72.8721, 82.5920,  
67.9782

■ 72.8721, 82.5920,  
67.9782

■ 67.3766, 80.0646,  
54.0231

■ 78.9781, 85.3879,  
84.2722

■ 62.4618, 77.7855,  
42.2942

■ 85.7094, 88.4505,  
103.0003

■ 58.1054, 75.7480,  
32.6775

■ 89.8761, 90.5067,  
107.3403

■ 54.2806, 73.9412,  
25.0468

■ 90.4518, 90.8035,  
107.3673

■ 50.9580, 72.3529,  
19.2622

■ 48.1049, 70.9698,  
15.1659

■ 45.6831, 69.7762,  
12.5736

■ 43.6463, 68.7532,  
11.2574

■ 42.8823, 68.3657,  
10.9358

# Harmonies

## Analogous

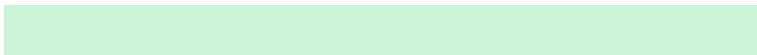
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7023, 82.5920, 63.8792



72.8721, 82.5920, 67.9782



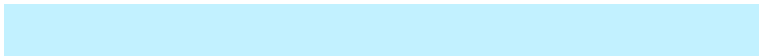
69.6642, 82.5920, 77.9567

# Triad

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



72.8721, 82.5920, 67.9782



74.2014, 82.5920, 118.9030



89.0951, 82.5920, 87.6523

# Complementary

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



72.8721, 82.5920, 67.9782



65.4673, 63.2863, 91.2075

# Split Complementary

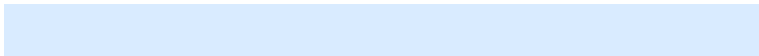
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0557, 82.5920, 103.0675



72.8721, 82.5920, 67.9782



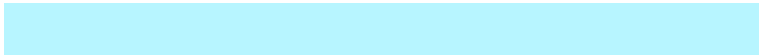
79.3056, 82.5920, 122.2425

# Square

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



72.8721, 82.5920, 67.9782



70.4071, 82.5920, 107.4841



84.4130, 82.5920, 116.1587



87.1931, 82.5920, 74.3971

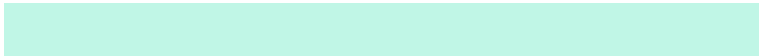


# Rectangle

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



72.8721, 82.5920, 67.9782



68.7960, 82.5920, 87.1705



84.4130, 82.5920, 116.1587



89.0788, 82.5920, 92.7444

# Sweetspot

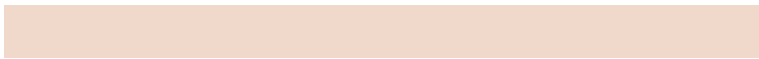
The Sweet Spot groups the original color and five complimentary colors.



72.8743, 82.5956, 67.9800



91.2368, 98.2636, 98.3595



71.3002, 72.1950, 66.0554



19.4168, 20.9816, 20.7481



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

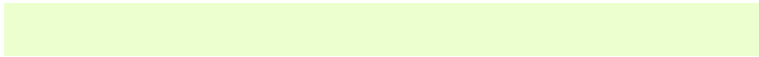


# Same Dimension

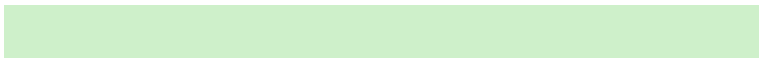
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8743, 82.5956, 67.9800



81.5168, 93.8138, 72.5549



67.3974, 79.7721, 67.7237



16.4838, 18.1296, 16.7803



23.6270, 37.5017, 5.9933



2.0771, 3.1773, 0.5038



# Inverse Universe

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



65.4673, 63.2863, 91.2075



71.5174, 67.7448, 103.9144



71.3001, 66.2933, 91.4805



15.4877, 15.5331, 19.9035



11.3190, 4.8405, 45.4656

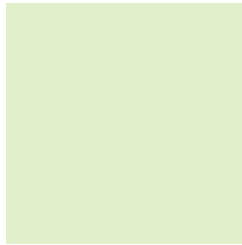


1.0504, 0.4588, 3.7874



# Previews

## White Background



This preview shows how the XYZ color 72.8721, 82.5920, 67.9782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

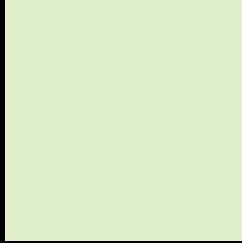
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8721, 82.5920, 67.9782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

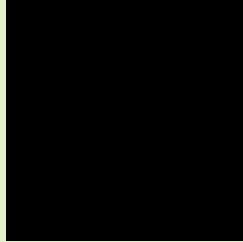
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

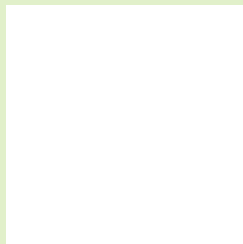
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.8721, 82.5920, 67.9782**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8721, 82.5920, 67.9782.



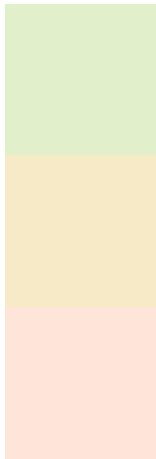
This preview shows how white text looks on a background with the XYZ color 72.8721, 82.5920,

67.9782.

# 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

72.8721, 82.5920, 67.9782

### Protanopia

77.7377, 82.5620, 65.8717

### Deuteranopia

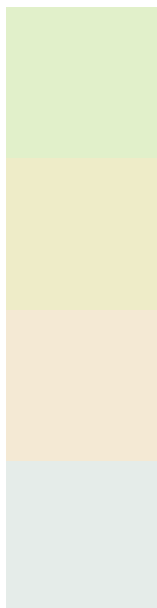
81.7837, 82.3084, 77.2223



## Tritanopia

79.8302, 82.3987, 102.9638

# Trichromacy



## Original Color

72.8721, 82.5920, 67.9782

## Protanomaly

75.6807, 82.3382, 66.5476

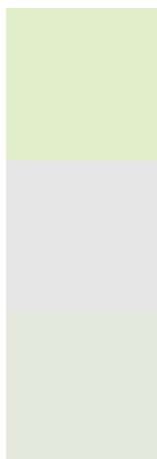
## Deuteranomaly

78.3308, 82.2644, 74.0375

## Tritanomaly

77.0165, 82.5321, 88.9619

# Monochromacy



## Original Color

72.8721, 82.5920, 67.9782

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

74.6542, 80.6710, 79.3465

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8721, 82.5920, 67.9782 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(225, 240, 202)` looks like.

```
.text, #text, p{  
    color:rgb(225, 240, 202)  
}
```

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(225, 240, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 240, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8721, 82.5920, 67.9782 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(225, 240, 202) }
```



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

```
.border{ border-color:rgb(225, 240, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 240, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(225, 240,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8721, 82.5920, 67.9782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 240, 202) }
```

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

```
.background{ background-color: rgb(225,  
240, 202) }
```

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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