

# Converting Colors

XYZ(72.5879, 81.1859, 65.8775)

Have a look what the booklet for  
XYZ(72.5879, 81.1859, 65.8775)  
contains.

<b>XYZ(72.5879, 81.1859, 65.8775)</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(72.5879, 81.1859,  
65.8775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4EDC7
RGB	228, 237, 199
RGB Percent	89%, 93%, 78%
CMY	0.1059, 0.0706, 0.2196
CMYK	0.04, 0.00, 0.16, 0.07
HSL	74°, 51%, 85%
HSV	74°, 16%, 93%
XYZ	72.5879, 81.1859, 65.8775
YIQ	229.9770, 6.8340, -13.7260

# Conversions

## Conversions Part 2

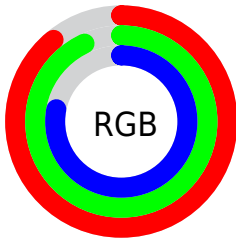
Format	Color
R <sub>YB</sub>	199, 237, 208
Decimal	15003079
CIE Lab	92.21, -9.41, 17.42
CIE LCh	92, 19.799, 118.379
Yxy	81.1859, 0.3305, 0.3696
Android (android.graphics.Color)	4293193159 (0xFFE4EDC7)
YUV	229.9770, -15.2717, -1.7338
Hunter-Lab	90.1032, -13.8796, 19.7233

# Details

The XYZ color **72.5879, 81.1859, 65.8775** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.7251, 60.3734, 88.5252**, and the grayscale version is **75.3045, 79.2262, 86.2774**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6480, 43.8627, 33.2175** is the 20% darker color. If you saturate the color by 10%, you get **68.2956, 79.2692, 52.4137**, and if you desaturate by 10%, it is **77.3710, 83.3110, 81.6047**.

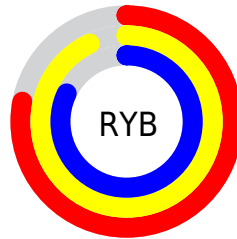
# Distribution



Red (89%)

Green (93%)

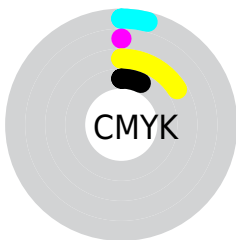
Blue (78%)



Red (78%)

Yellow (93%)

Blue (82%)

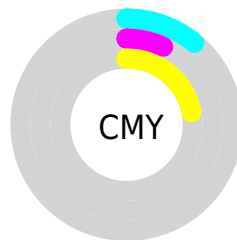


Cyan (4%)

Magenta (0%)

Yellow (16%)

Black (7%)



Cyan (11%)

Magenta (7%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5879, 81.1859, 65.8775 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 72.5879, 81.1859, 65.8775 by changing the saturation by 10% instead.



72.5879, 81.1859,  
65.8775

72.5879, 81.1859,  
65.8775

458.7112,  
498.9205, 464.3309

53.9262, 60.6947,  
47.7171

121.8983,  
135.0318, 114.9358

38.7731, 43.9788,  
33.2445

153.2777,  
169.1552, 146.6708

26.7632, 30.6539,  
22.0412

189.6271,  
208.5916, 183.7678

17.5311, 20.3354,  
13.6886

231.3119,  
253.7252, 226.6453

10.7115, 12.6391,  
7.7681

278.6973,  
304.9405, 275.7218

5.9391, 7.1805,  
3.8613

332.1488,

2.8484, 3.5752,

362.6219, 331.4159

1.5496

392.0316,  
427.1538, 394.1460

■ 1.0741, 1.4389,  
0.2544

■ 0.0033, 0.2451,  
0.0000

■ 72.5879, 81.1859,  
65.8775

■ 72.5879, 81.1859,  
65.8775

■ 68.2956, 79.2692,  
52.4137

■ 77.3710, 83.3110,  
81.6047

■ 64.4674, 77.5420,  
41.1039

■ 82.6575, 85.6415,  
99.6875

■ 61.0835, 75.9992,  
31.8375

■ 85.9391, 87.1769,  
106.9051

■ 58.1201, 74.6310,  
24.4919

■ 87.9267, 88.2016,  
106.9981

■ 55.5509, 73.4269,  
18.9314

■ 89.5759, 89.0517,  
107.0753

■ 53.3461, 72.3750,  
15.0027

■ 51.4712, 71.4613,  
12.5266

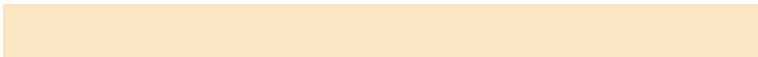
■ 49.8835, 70.6687,  
11.2811

■ 49.3062, 70.3771,  
10.9854

# Harmonies

## Analogous

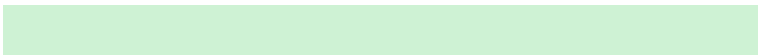
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4431, 81.1859, 63.1455



72.5879, 81.1859, 65.8775



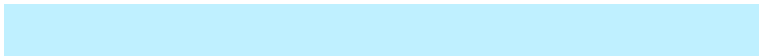
69.0961, 81.1859, 74.4485

# Triad

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



72.5879, 81.1859, 65.8775



72.1266, 81.1859, 114.5921



87.4098, 81.1859, 89.1962

# Complementary

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



72.5879, 81.1859, 65.8775



61.7251, 60.3734, 88.5252

# Split Complementary

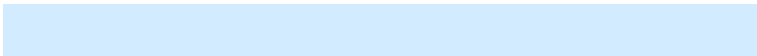
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8383, 81.1859, 103.9886



72.5879, 81.1859, 65.8775



76.8871, 81.1859, 119.6178

# Square

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



72.5879, 81.1859, 65.8775



68.8382, 81.1859, 102.4595



81.9301, 81.1859, 115.5412



86.1371, 81.1859, 75.6851

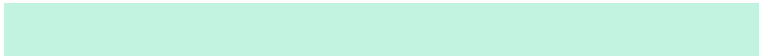


# Rectangle

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



72.5879, 81.1859, 65.8775



67.9345, 81.1859, 82.8491



81.9301, 81.1859, 115.5412



87.1954, 81.1859, 94.1886

# Sweetspot

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



72.5901, 81.1895, 65.8792



91.9618, 98.6373, 98.3934



67.7601, 67.1773, 63.4292



19.5933, 21.0725, 20.7563



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

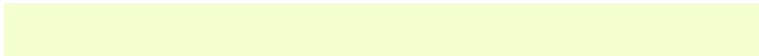


# Same Dimension

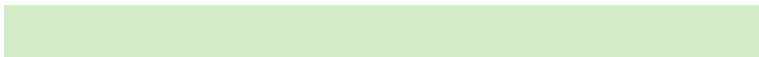
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5901, 81.1895, 65.8792



84.1093, 95.1503, 72.6763



66.9280, 78.2705, 65.6143



15.9829, 17.4367, 16.0420



27.0402, 38.4842, 6.0030



2.2073, 3.0652, 0.4753



# Inverse Universe

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



61.7251, 60.3734, 88.5252



69.1764, 66.5380, 103.8049



67.3488, 63.2725, 88.7883



14.5653, 14.7212, 18.9960



9.3377, 3.8497, 43.9939

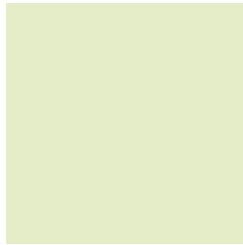


0.8168, 0.3454, 3.4585



# Previews

## White Background



This preview shows how the XYZ color 72.5879, 81.1859, 65.8775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

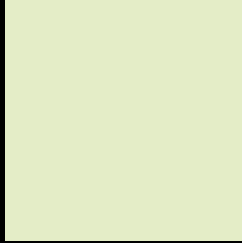
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.5879, 81.1859, 65.8775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

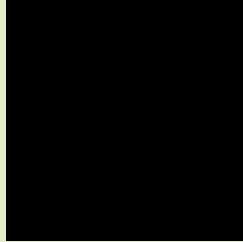
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

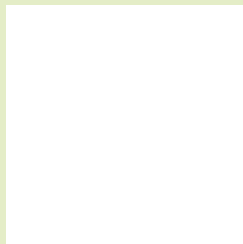
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.5879, 81.1859, 65.8775**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.5879, 81.1859, 65.8775.



This preview shows how white text looks on a background with the XYZ color 72.5879, 81.1859,



# 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

72.5879, 81.1859, 65.8775

### Protanopia

76.4766, 81.1112, 63.8498

### Deuteranopia

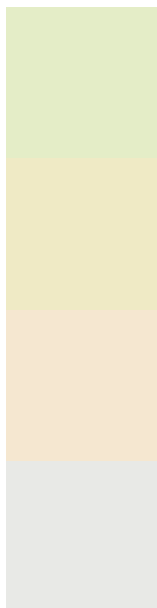
80.7193, 81.0023, 74.3314



## Tritanopia

79.5010, 81.0331, 100.2577

# Trichromacy



## Original Color

72.5879, 81.1859, 65.8775

## Protanomaly

75.0975, 81.2276, 64.5438

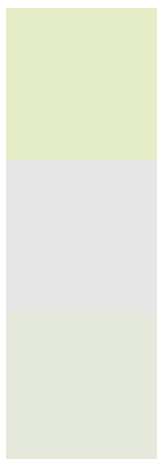
## Deuteranomaly

77.6173, 81.1184, 71.2411

## Tritanomaly

76.7006, 81.1468, 86.4833

# Monochromacy



## Original Color

72.5879, 81.1859, 65.8775

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.2382, 80.0503, 78.5563

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.5879, 81.1859, 65.8775 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(228, 237, 199)` looks like.

```
.text, #text, p{  
    color:rgb(228, 237, 199)  
}
```

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(228, 237, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 237, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 72.5879, 81.1859, 65.8775 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(228, 237, 199) }
```



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

```
.border{ border-color:rgb(228, 237, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 237, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 237, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 237, 199);  
box-shadow:4px 4px 4px 4px rgb(228, 237,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.5879, 81.1859, 65.8775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 237, 199) }
```

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

```
.background{ background-color: rgb(228,  
237, 199) }
```

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