

# Converting Colors

XYZ(67.6806, 79.2950, 71.9899)

Have a look what the booklet for  
XYZ(67.6806, 79.2950, 71.9899)  
contains.

<b>XYZ(67.8287, 79.4583, 72.0836)</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(67.8287, 79.4583,  
72.0836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEEFD1
RGB	206, 239, 209
RGB Percent	81%, 94%, 82%
CMY	0.1922, 0.0627, 0.1804
CMYK	0.14, 0.00, 0.13, 0.06
HSL	125°, 51%, 87%
HSV	125°, 14%, 94%
XYZ	67.8287, 79.4583, 72.0836
YIQ	225.7130, -10.0380, -16.3260

# Conversions

## Conversions Part 2

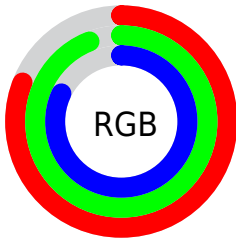
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 236, 239
Decimal	13561809
CIE <sub>Lab</sub>	91.44, -16.29, 10.93
CIE <sub>LCh</sub>	91, 19.622, 146.136
Yxy	79.4583, 0.3092, 0.3622
Android (android.graphics.Color)	4291751889 (0xFFCEEFD1)
YUV	225.7130, -8.2395, -17.2883
Hunter-Lab	89.1394, -20.1682, 14.4520

# Details

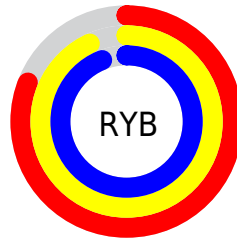
The XYZ color **67.8287, 79.4583, 72.0836** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.8111, 68.5513, 88.7547**, and the grayscale version is **72.1461, 75.9033, 82.6587**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6124, 42.8128, 37.3971** is the 20% darker color. If you saturate the color by 10%, you get **59.1823, 75.2931, 58.5815**, and if you desaturate by 10%, it is **77.8553, 84.2971, 87.5687**.

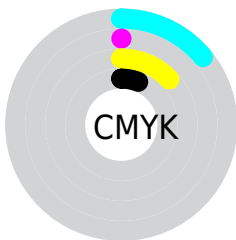
# Distribution



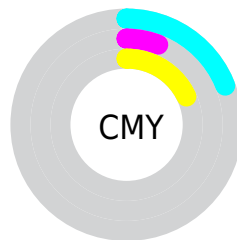
- Red (81%)
- Green (94%)
- Blue (82%)



- Red (81%)
- Yellow (93%)
- Blue (94%)



- Cyan (14%)
- Magenta (0%)
- Yellow (13%)
- Black (6%)



- Cyan (19%)
- Magenta (6%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8287, 79.4583, 72.0836 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 67.8287, 79.4583, 72.0836 by changing the saturation by 10% instead.



67.8287, 79.4583,  
72.0836

67.8287, 79.4583,  
72.0836

442.2751,  
493.1054, 486.8179

50.0316, 59.2727,  
52.7397

115.1503,  
132.6039, 123.8842

35.6564, 42.8327,  
37.2087

145.4055,  
166.3326, 157.1780

24.3378, 29.7539,  
25.0721

180.5440,  
205.3445, 195.9589

15.7105, 19.6518,  
15.9113

220.9313,  
250.0240, 240.6453

9.4091, 12.1422,  
9.3077

266.9328,  
300.7554, 291.6559

5.0682, 6.8406,  
4.8429

318.9136,

2.3225, 3.3626,

357.9232, 349.4092

2.0982

377.2393,  
421.9117, 414.3237

■ 0.8061, 1.3238,  
0.6147

■ 0.0000, 0.1596,  
0.0000

■ 67.8287, 79.4583,  
72.0836

■ 67.8287, 79.4583,  
72.0836

■ 59.1823, 75.2931,  
58.5815

■ 77.8553, 84.2971,  
87.5687

■ 51.8494, 71.7621,  
46.9774

■ 89.3120, 89.8270,  
105.1068

■ 45.7676, 68.8372,  
37.1878

■ 90.1581, 90.2162,  
107.2694

■ 40.8668, 66.4842,  
29.1209

■ 37.0698, 64.6655,  
22.6770

■ 34.2905, 63.3390,  
17.7462

■ 32.4296, 62.4561,  
14.2049

■ 31.3679, 61.9584,  
11.9101

■ 31.0103, 61.7930,  
11.0383

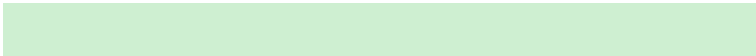
# Harmonies

## Analogous

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



71.3725, 79.4583, 64.1078



67.8287, 79.4583, 72.0836



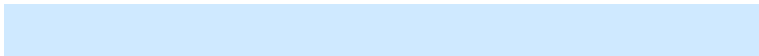
66.3441, 79.4583, 84.6772

# Triad

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



67.8287, 79.4583, 72.0836



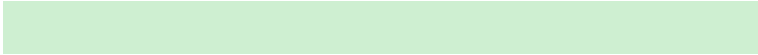
74.8777, 79.4583, 116.9477



84.4727, 79.4583, 74.9622

# Complementary

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



67.8287, 79.4583, 72.0836



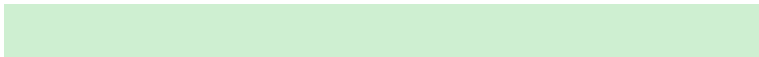
72.8111, 68.5513, 88.7547

# 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.



85.5111, 79.4583, 88.3824



67.8287, 79.4583, 72.0836



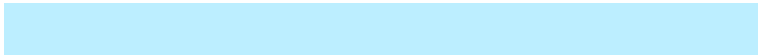
79.8309, 79.4583, 113.6194

# Square

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



67.8287, 79.4583, 72.0836



70.2989, 79.4583, 111.4123



83.7776, 79.4583, 102.7580

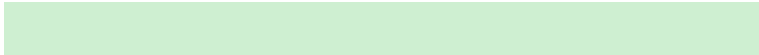


80.9991, 79.4583, 65.6368



# Rectangle

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



67.8287, 79.4583, 72.0836



66.6715, 79.4583, 94.3845



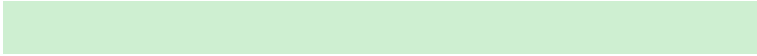
83.7776, 79.4583, 102.7580



85.1246, 79.4583, 79.0985

# Sweetspot

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



67.8309, 79.4617, 72.0853



89.9392, 97.5336, 101.0551



76.6856, 84.0690, 70.5785



19.0514, 20.7800, 21.3234



0.0000, 0.0000, 0.0000

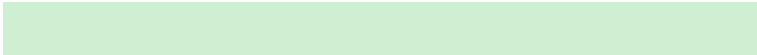


20.3446, 21.4041, 23.3091

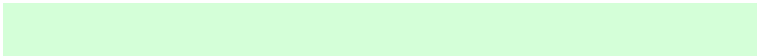


# Same Dimension

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



67.8309, 79.4617, 72.0853



75.1524, 90.4018, 78.1773



69.9473, 80.3082, 83.2302



15.6243, 17.6797, 17.0442



17.1563, 34.1545, 6.2060



1.4470, 2.8492, 0.6202



# Inverse Universe

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



72.8111, 68.5513, 88.7547



82.1179, 75.1409, 101.4910



70.5556, 67.6491, 76.8776



16.3887, 16.0052, 19.6029



26.6380, 12.9276, 37.6060

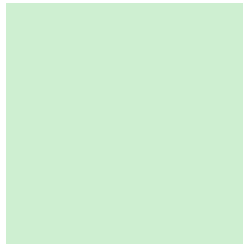


2.2340, 1.0827, 3.2232



# Previews

## White Background



This preview shows how the XYZ color 67.8287, 79.4583, 72.0836 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

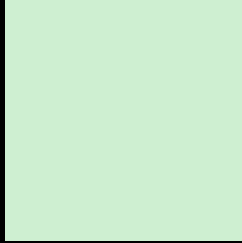
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.8287, 79.4583, 72.0836 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

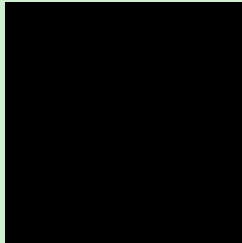
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

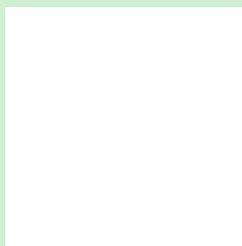
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.8287, 79.4583, 72.0836**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.8287, 79.4583, 72.0836.



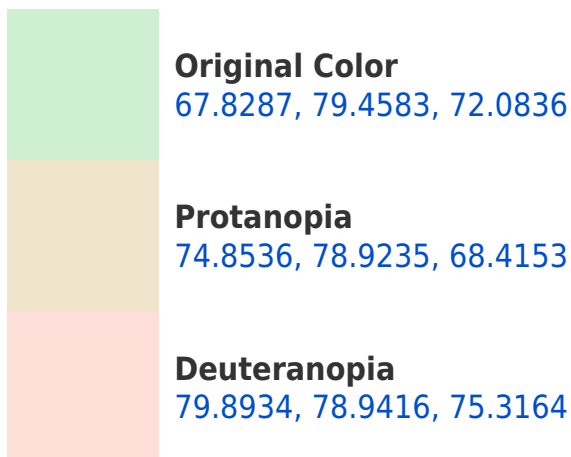
This preview shows how white text looks on a background with the XYZ color 67.8287, 79.4583,



# 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**

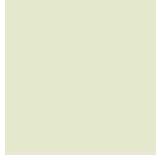
73.9921, 79.3890, 102.6906

# Trichromacy



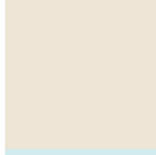
## Original Color

67.8287, 79.4583, 72.0836



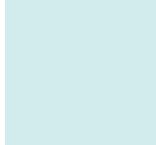
## Protanomaly

72.2744, 79.2280, 69.8758



## Deuteranomaly

74.9546, 78.8472, 74.2193



## Tritanomaly

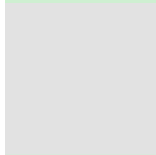
71.4270, 79.1744, 90.8745

# Monochromacy



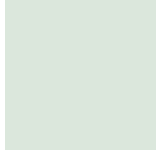
## Original Color

67.8287, 79.4583, 72.0836



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

70.7076, 77.3792, 78.9191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.8287, 79.4583, 72.0836 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(206, 239, 209)` looks like.

```
.text, #text, p{  
    color:rgb(206, 239, 209)  
}
```

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(206, 239, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 239, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 67.8287, 79.4583, 72.0836 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(206, 239, 209) }
```



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

```
.border{ border-color:rgb(206, 239, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 239, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 239, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 239, 209);  
box-shadow:4px 4px 4px 4px rgb(206, 239,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.8287, 79.4583, 72.0836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 239, 209) }
```

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

```
.background{ background-color: rgb(206,  
239, 209) }
```

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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