

# Converting Colors

XYZ(66.9834, 73.6729, 82.5727)

Have a look what the booklet for  
XYZ(66.9834, 73.6729, 82.5727)  
contains.

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# Color

**XYZ(66.9287, 73.6946,  
82.6485)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE3E2
RGB	207, 227, 226
RGB Percent	81%, 89%, 89%
CMY	0.1882, 0.1098, 0.1137
CMYK	0.09, 0.00, 0.00, 0.11
HSL	177°, 26%, 85%
HSV	177°, 9%, 89%
XYZ	66.9287, 73.6946, 82.6485
YIQ	220.9060, -11.5990, -4.5510

# Conversions

## Conversions Part 2

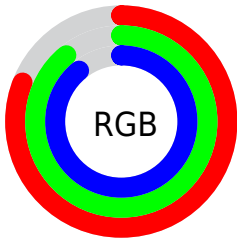
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 217, 227
Decimal	13624290
CIE Lab	88.78, -6.80, -1.79
CIE LCh	89, 7.030, 194.743
Yxy	73.6946, 0.2998, 0.3301
Android (android.graphics.Color)	4291814370 (0xFFCFE3E2)
YUV	220.9060, 2.5113, -12.1956
Hunter-Lab	85.8456, -11.0638, 3.0100

# Details

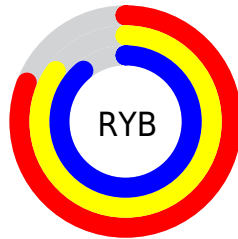
The XYZ color **66.9287, 73.6946, 82.6485** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.3792, 65.5126, 68.8773**, and the grayscale version is **68.6518, 72.2271, 78.6553**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2401, 39.2176, 44.2405** is the 20% darker color. If you saturate the color by 10%, you get **60.8818, 70.5973, 81.5539**, and if you desaturate by 10%, it is **73.8927, 77.2686, 83.7945**.

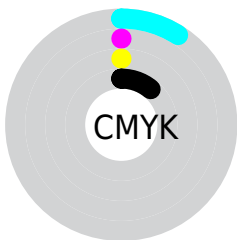
# Distribution



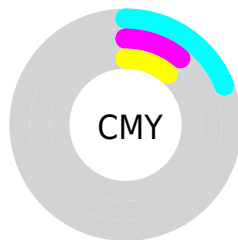
- Red (81%)
- Green (89%)
- Blue (89%)



- Red (81%)
- Yellow (85%)
- Blue (89%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (19%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9287, 73.6946, 82.6485 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 66.9287, 73.6946, 82.6485 by changing the saturation by 10% instead.



66.9287, 73.6946,  
82.6485

66.9287, 73.6946,  
82.6485

439.1274,  
473.4187, 523.7546

49.2972, 54.5441,  
61.3613

113.8686,  
124.4628, 138.9279

35.0708, 39.0368,  
44.0844

143.9077,  
156.8493, 174.7571

23.8842, 26.7884,  
30.3992

178.8133,  
194.4166, 216.2708

15.3720, 17.4144,  
19.8871

218.9509,  
237.5490, 263.8875

9.1689, 10.5304,  
12.1298

264.6857,  
286.6311, 318.0256

4.9095, 5.7520,  
6.7085

316.3832,

2.2285, 2.6949,

342.0471, 379.1038

3.2048

374.4086,  
404.1815, 447.5407

■ 0.7577, 0.9746,  
1.2001

■ 0.0000, 0.0000,  
0.0000

■ 66.9287, 73.6946,  
82.6485

■ 66.9287, 73.6946,  
82.6485

■ 60.8818, 70.5973,  
81.5539

■ 73.8927, 77.2686,  
83.7945

■ 55.7069, 67.9475,  
80.5041


■ 81.8038, 81.3287,  
84.9886


■ 51.3647, 65.7267,  
79.4986


■ 82.9118, 81.8815,  
85.8699


■ 47.8103, 63.9120,  
78.5353


■ 83.0717, 81.9455,  
86.7122


 44.9945, 62.4779,  
77.6120


 83.2328, 82.0099,  
87.5600


 42.8627, 61.3963,  
76.7261


 83.3948, 82.0747,  
88.4134

 41.3529, 60.6353,  
75.8746

 83.5579, 82.1399,  
89.2723

 40.3915, 60.1568,  
75.0542

 83.7221, 82.2056,  
90.1367

 39.8669, 59.9035,  
74.2595

 83.8873, 82.2717,  
91.0067

# Harmonies

## Analogous

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



66.9361, 73.6946, 77.8010



66.9287, 73.6946, 82.6485



67.7469, 73.6946, 87.0173

# Triad

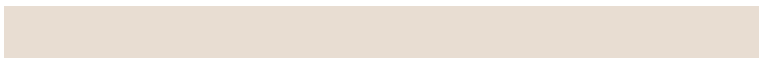
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.9287, 73.6946, 82.6485



72.3723, 73.6946, 87.0800



70.9088, 73.6946, 71.5385

# Complementary

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



66.9287, 73.6946, 82.6485



65.3792, 65.5126, 68.8773

# 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.



72.3935, 73.6946, 73.8258



66.9287, 73.6946, 82.6485



73.2477, 73.6946, 82.7312

# Square

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



66.9287, 73.6946, 82.6485



70.8802, 73.6946, 89.6452



73.2555, 73.6946, 77.8805



69.2154, 73.6946, 71.5184



# Rectangle

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



66.9287, 73.6946, 82.6485



68.6582, 73.6946, 89.0146



73.2555, 73.6946, 77.8805



71.4494, 73.6946, 72.0635

# Sweetspot

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



66.9308, 73.6977, 82.6501



92.2296, 98.5532, 108.4458



64.8400, 72.9046, 69.6872



19.5836, 21.0137, 23.1861



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.



66.9308, 73.6977, 82.6501



85.2470, 94.9725, 107.2630



64.7574, 69.1298, 82.6070



14.7746, 16.3233, 18.3437



23.2328, 34.9252, 43.3219



1.7265, 2.5847, 3.2522

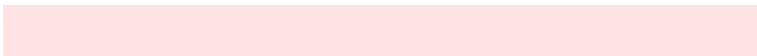


# Inverse Universe

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



65.3792, 65.5126, 68.8773



82.7486, 81.7921, 85.0851



67.4143, 69.7796, 68.9483



14.4062, 14.3796, 15.0732



18.5241, 9.5439, 1.1230

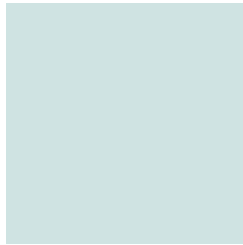


1.3793, 0.7094, 0.1377



# Previews

## White Background



This preview shows how the XYZ color 66.9287, 73.6946, 82.6485 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

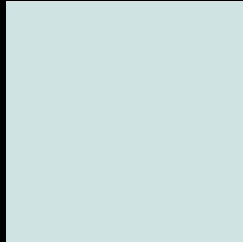
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9287, 73.6946, 82.6485 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

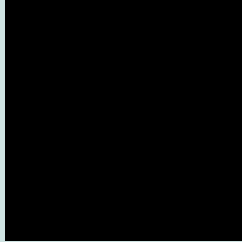
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

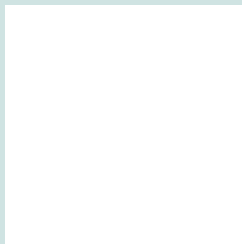
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.9287, 73.6946, 82.6485**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.9287, 73.6946, 82.6485.



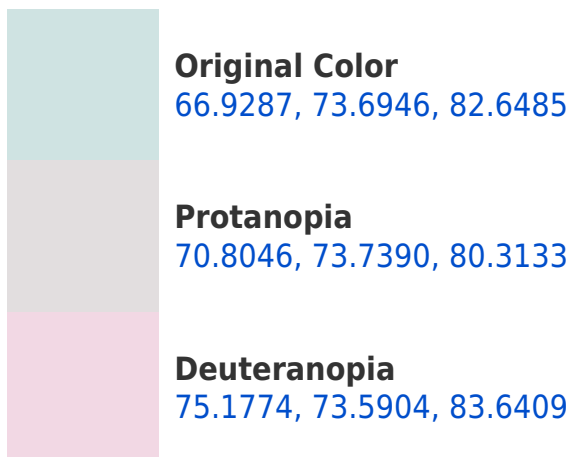
This preview shows how white text looks on a background with the XYZ color 66.9287, 73.6946,



# 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

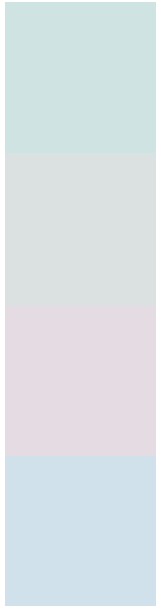




## Tritanopia

69.2610, 73.4238, 94.5262

# Trichromacy



## Original Color

66.9287, 73.6946, 82.6485

## Protanomaly

69.3236, 73.7532, 81.1031

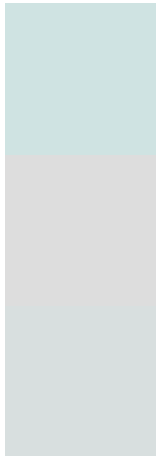
## Deuteranomaly

71.7714, 73.3905, 83.0561

## Tritanomaly

68.3600, 73.4619, 89.9335

# Monochromacy



## Original Color

66.9287, 73.6946, 82.6485

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.0259, 72.7020, 80.2596

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9287, 73.6946, 82.6485 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(207, 227, 226)` looks like.

```
.text, #text, p{  
    color:rgb(207, 227, 226)  
}
```

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(207, 227, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 227, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9287, 73.6946, 82.6485 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(207, 227, 226) }
```



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

```
.border{ border-color:rgb(207, 227, 226) }
```

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

Here you see how a box with a 4 pixel rgb(207, 227, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 227, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 227, 226);  
box-shadow:4px 4px 4px 4px rgb(207, 227,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9287, 73.6946, 82.6485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 227, 226) }
```

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

```
.background{ background-color: rgb(207,  
227, 226) }
```

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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