

# Converting Colors

XYZ(66.0684, 75.0891, 83.2336)

Have a look what the booklet for  
XYZ(66.0684, 75.0891, 83.2336)  
contains.

<b>XYZ(65.8566, 74.7849, 82.9154)</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(65.8566, 74.7849,  
82.9154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E7E2
RGB	199, 231, 226
RGB Percent	78%, 91%, 89%
CMY	0.2196, 0.0941, 0.1137
CMYK	0.14, 0.00, 0.02, 0.09
HSL	171°, 40%, 84%
HSV	171°, 14%, 91%
XYZ	65.8566, 74.7849, 82.9154
YIQ	220.8620, -17.4670, -8.3390

# Conversions

## Conversions Part 2

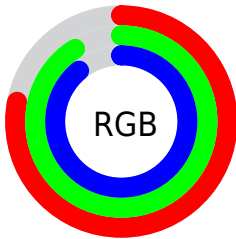
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 216, 231
Decimal	13101026
CIE <sub>Lab</sub>	89.29, -11.40, -1.10
CIE <sub>LCh</sub>	89, 11.456, 185.503
Yxy	74.7849, 0.2946, 0.3345
Android (android.graphics.Color)	4291291106 (0xFFC7E7E2)
YUV	220.8620, 2.5330, -19.1730
Hunter-Lab	86.4783, -15.4022, 3.6875

# Details

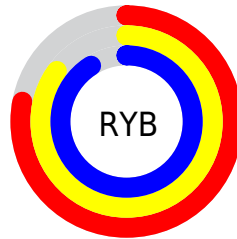
The XYZ color **65.8566, 74.7849, 82.9154** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.2802, 62.1975, 65.7476**, and the grayscale version is **68.6238, 72.1975, 78.6231**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3577, 39.6200, 44.3646** is the 20% darker color. If you saturate the color by 10%, you get **59.6967, 71.6681, 80.0687**, and if you desaturate by 10%, it is **72.9616, 78.3918, 85.8640**.

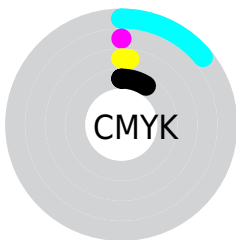
# Distribution



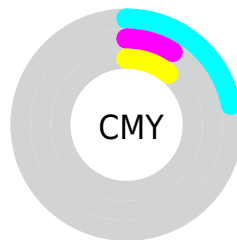
- Red (78%)
- Green (91%)
- Blue (89%)



- Red (78%)
- Yellow (85%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8566, 74.7849, 82.9154 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 65.8566, 74.7849, 82.9154 by changing the saturation by 10% instead.



■ 65.8566, 74.7849,  
82.9154

■ 65.8566, 74.7849,  
82.9154

435.3606,  
477.1779, 524.6681

■ 48.4233, 55.4367,  
61.5802

112.3394,  
126.0078, 139.3051

■ 34.3749, 39.7515,  
44.2599

142.1195,  
158.6513, 175.1967

■ 23.3460, 27.3448,  
30.5362

176.7460,  
196.4954, 216.7775

■ 14.9713, 17.8324,  
19.9905

216.5841,  
239.9244, 264.4660

■ 8.8854, 10.8297,  
12.2041

261.9993,  
289.3228, 318.6808

■ 4.7230, 5.9524,  
6.7586

313.3569,

■ 2.1188, 2.8162,

345.0749, 379.8404

3.2354

371.0222,  
407.5651, 448.3633

0.6994, 1.0365,  
1.2161

0.0000, 0.0000,  
0.0000

65.8566, 74.7849,  
82.9154

65.8566, 74.7849,  
82.9154

59.6967, 71.6681,  
80.0687

72.9616, 78.3918,  
85.8640

54.4337, 69.0103,  
77.3165


81.0445, 82.4996,  
88.9116


50.0246, 66.7916,  
74.6582


85.0794, 84.5194,  
91.8249


46.4204, 64.9867,  
72.0910


85.6120, 84.7324,  
94.6298

 43.5671, 63.5677,  
69.6121


 86.1554, 84.9498,  
97.4910


 41.4040, 62.5033,  
67.2183


 86.7094, 85.1714,  
100.4088


 39.8608, 61.7573,  
64.9060

 87.2743, 85.3974,  
103.3835

 38.8521, 61.2857,  
62.6709

 87.8501, 85.6277,  
106.4154

 38.4152, 61.0897,  
61.3314

 87.8673, 85.6345,  
106.5058

# Harmonies

## Analogous

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



66.2944, 74.7849, 75.2021



65.8566, 74.7849, 82.9154



66.7884, 74.7849, 90.7125

# Triad

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



65.8566, 74.7849, 82.9154



74.2527, 74.7849, 94.6329



73.3360, 74.7849, 68.1906

# Complementary

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



65.8566, 74.7849, 82.9154



64.2802, 62.1975, 65.7476

# 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.



75.5532, 74.7849, 72.7998



65.8566, 74.7849, 82.9154



76.0922, 74.7849, 87.9884

# Square

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



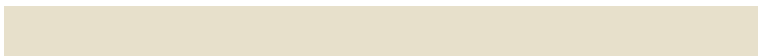
65.8566, 74.7849, 82.9154



71.5983, 74.7849, 97.7560



76.5742, 74.7849, 79.9586



70.5658, 74.7849, 67.0276



# Rectangle

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



65.8566, 74.7849, 82.9154



68.0758, 74.7849, 94.8047



76.5742, 74.7849, 79.9586



74.1730, 74.7849, 69.3728

# Sweetspot

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



65.8587, 74.7880, 82.9171



91.1407, 98.0142, 107.3824



63.8804, 74.1631, 64.9822



19.3553, 20.9016, 22.9237



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

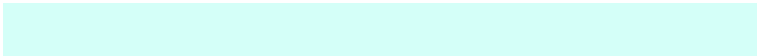


# Same Dimension

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



65.8587, 74.7880, 82.9171



79.7884, 92.2562, 102.5902



63.6601, 69.2759, 85.6212



14.7055, 16.2956, 17.9801



21.5730, 34.2613, 34.5815



1.6204, 2.5423, 2.6934



# Inverse Universe

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



64.2802, 62.1975, 65.7476



77.4070, 73.2565, 76.6833



66.2308, 67.0436, 63.4842



14.4684, 14.4045, 15.4010



18.6835, 9.6076, 1.9625

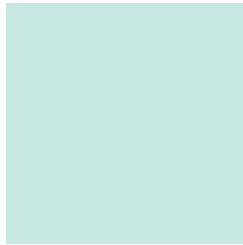


1.4089, 0.7213, 0.2939



# Previews

## White Background



This preview shows how the XYZ color 65.8566, 74.7849, 82.9154 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

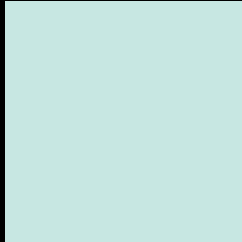
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.8566, 74.7849, 82.9154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

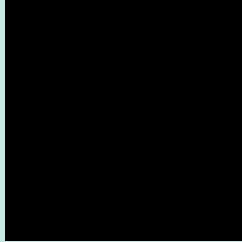
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

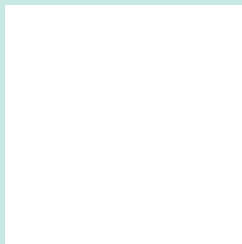
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.8566, 74.7849, 82.9154

## Background



This preview shows how black text looks on a background with the XYZ color 65.8566, 74.7849, 82.9154.



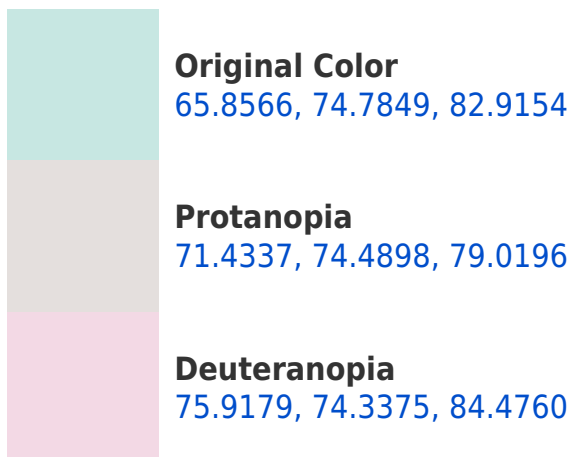
This preview shows how white text looks on a background with the XYZ color 65.8566, 74.7849,



# 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

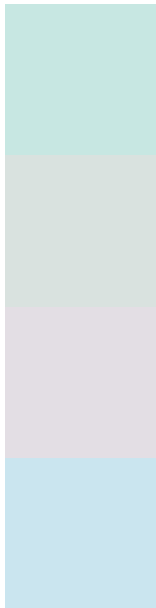




## Tritanopia

69.0066, 74.8371, 97.9968

# Trichromacy



## Original Color

65.8566, 74.7849, 82.9154

## Protanomaly

69.1309, 74.4721, 80.5430

## Deuteranomaly

71.8034, 74.1749, 83.9315

## Tritanomaly

67.9564, 74.8272, 92.5228

# Monochromacy



## Original Color

65.8566, 74.7849, 82.9154

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

67.6851, 73.3243, 80.3977

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.8566, 74.7849, 82.9154 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(199, 231, 226)` looks like.

```
.text, #text, p{  
    color:rgb(199, 231, 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(199, 231, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 231, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 65.8566, 74.7849, 82.9154 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(199, 231, 226) }
```



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

```
.border{ border-color:rgb(199, 231, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 231, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 231, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 231, 226);  
box-shadow:4px 4px 4px 4px rgb(199, 231,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.8566, 74.7849, 82.9154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 231, 226) }
```

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

```
.background{ background-color: rgb(199,  
231, 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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