

# Converting Colors

XYZ(74.4523, 82.5645, 85.7611)

Have a look what the booklet for  
XYZ(74.4523, 82.5645, 85.7611)  
contains.

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# Color

**XYZ(74.3853, 82.5501,  
85.4120)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCEFE4
RGB	220, 239, 228
RGB Percent	86%, 94%, 89%
CMY	0.1372, 0.0627, 0.1059
CMYK	0.08, 0.00, 0.05, 0.06
HSL	145°, 37%, 90%
HSV	145°, 8%, 94%
XYZ	74.3853, 82.5501, 85.4120
YIQ	232.0650, -7.7930, -7.4490

# Conversions

## Conversions Part 2

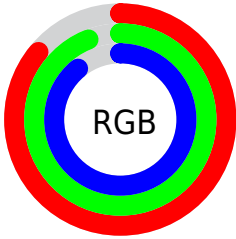
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 233, 239
Decimal	14479332
CIE Lab	92.82, -8.27, 3.16
CIE LCh	93, 8.852, 159.058
Yxy	82.5501, 0.3069, 0.3406
Android (android.graphics.Color)	4292669412 (0xFFDCEFE4)
YUV	232.0650, -2.0040, -10.5810
Hunter-Lab	90.8571, -12.8608, 7.8632

# Details

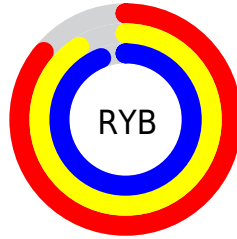
The XYZ color **74.3853, 82.5501, 85.4120** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.6166, 75.3088, 86.1559**, and the grayscale version is **76.7711, 80.7691, 87.9576**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9934, 44.8834, 46.0907** is the 20% darker color. If you saturate the color by 10%, you get **65.8177, 78.3489, 75.3811**, and if you desaturate by 10%, it is **84.1455, 87.3530, 96.3050**.

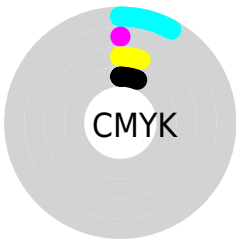
# Distribution



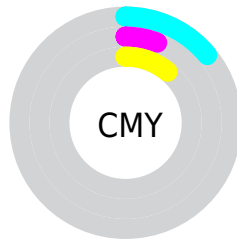
- Red (86%)
- Green (94%)
- Blue (89%)



- Red (86%)
- Yellow (91%)
- Blue (94%)



- Cyan (8%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (14%)
- Magenta (6%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3853, 82.5501, 85.4120 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 74.3853, 82.5501, 85.4120 by changing the saturation by 10% instead.



74.3853, 82.5501,  
85.4120

74.3853, 82.5501,  
85.4120

464.8319,  
503.4859, 533.1705

55.4018, 61.8191,  
63.6298

124.4344,  
136.9452, 142.8279

39.9587, 44.8865,  
45.9066

156.2308,  
171.3780, 179.2987

27.6904, 31.3681,  
31.8240

193.0289,  
211.1469, 221.5027

18.2317, 20.8793,  
20.9634

235.1940,  
256.6362, 269.8585

11.2171, 13.0358,  
12.9063

283.0915,  
308.2304, 324.7847

6.2814, 7.4532,  
7.2341

337.0867,

3.0592, 3.7471,

366.3138, 386.6997

3.5282

397.5451,  
431.2708, 456.0221

■ 1.1852, 1.5331,  
1.3703

■ 0.0946, 0.3119,  
0.1184

■ 74.3853, 82.5501,  
85.4120

■ 74.3853, 82.5501,  
85.4120

■ 65.8177, 78.3489,  
75.3811

■ 84.1455, 87.3530,  
96.3050

■ 58.3886, 74.7148,  
66.1860

■ 90.1581, 90.2162,  
107.2694

■ 52.0497, 71.6259,  
57.8067

■ 46.7467, 69.0545,  
50.2205

■ 42.4202, 66.9705,  
43.4036

■ 39.0046, 65.3406,  
37.3310

■ 36.4259, 64.1271,  
31.9762

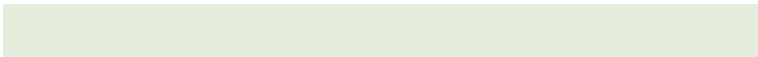
■ 34.5970, 63.2856,  
27.3107

■ 33.4002, 62.7561,  
23.3034

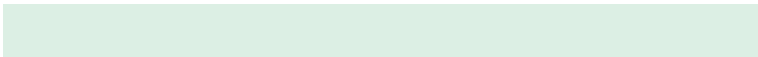
# Harmonies

## Analogous

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



75.6955, 82.5501, 80.3616



74.3853, 82.5501, 85.4120



74.1558, 82.5501, 91.9008

# Triad

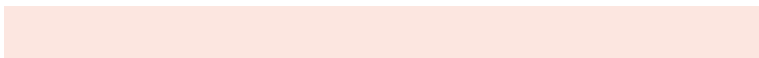
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.3853, 82.5501, 85.4120



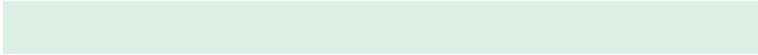
79.1628, 82.5501, 103.0411



81.9616, 82.5501, 82.1027

# Complementary

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



74.3853, 82.5501, 85.4120



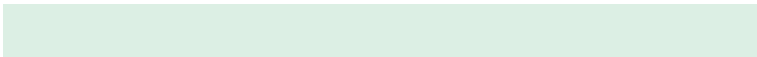
75.6166, 75.3088, 86.1559

# 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.



82.9305, 82.5501, 87.8950



74.3853, 82.5501, 85.4120



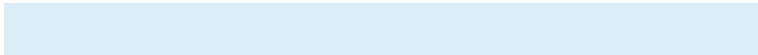
81.2939, 82.5501, 100.1283

# Square

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



74.3853, 82.5501, 85.4120



76.8843, 82.5501, 102.2961



82.6837, 82.5501, 94.5074



80.0599, 82.5501, 78.5171



# Rectangle

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



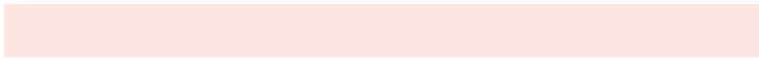
74.3853, 82.5501, 85.4120



74.6420, 82.5501, 96.2048



82.6837, 82.5501, 94.5074



82.4089, 82.5501, 83.8445

# Sweetspot

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



74.3876, 82.5536, 85.4138



92.7266, 98.8568, 106.3285



76.7697, 83.9070, 79.8608



19.8717, 21.1714, 22.7857



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

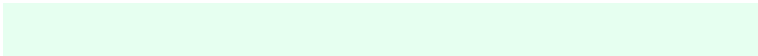


# Same Dimension

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



74.3876, 82.5536, 85.4138



83.9960, 94.5656, 96.4470



75.7316, 83.0912, 92.4910



15.8420, 17.7668, 18.1907



18.4073, 34.6550, 12.7940



1.5799, 2.9024, 1.3203



# Inverse Universe

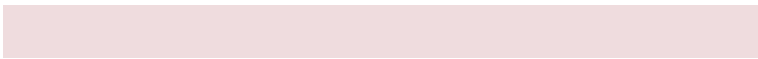
The Inverse Universe completely reimagines the original color for something new.



75.6166, 75.3088, 86.1559



85.7673, 84.1235, 97.5163



74.3214, 74.7906, 79.3351



16.1566, 15.9123, 18.3806



22.2891, 11.1881, 14.7050

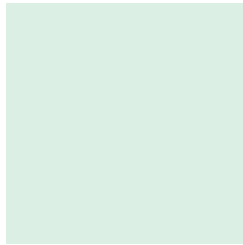


1.9038, 0.9506, 1.4843



# Previews

## White Background



This preview shows how the XYZ color 74.3853, 82.5501, 85.4120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

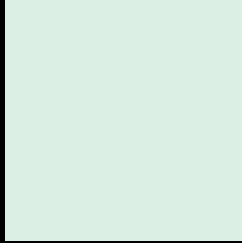
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.3853, 82.5501, 85.4120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

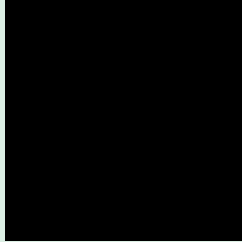
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

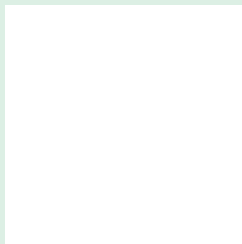
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.3853, 82.5501, 85.4120

## Background



This preview shows how black text looks on a background with the XYZ color 74.3853, 82.5501, 85.4120.



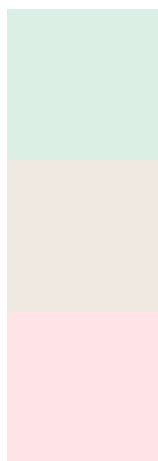
This preview shows how white text looks on a background with the XYZ color 74.3853, 82.5501,

85.4120.

# 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

74.3853, 82.5501, 85.4120

### Protanopia

78.6647, 82.2393, 82.9619

### Deuteranopia

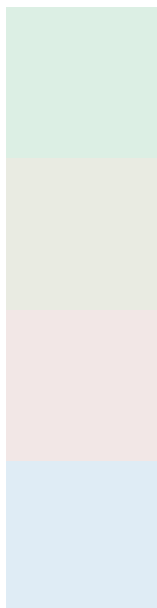
83.1329, 81.9677, 87.0411



## Tritanopia

78.3382, 82.4197, 105.5457

# Trichromacy



## Original Color

74.3853, 82.5501, 85.4120

## Protanomaly

77.0401, 82.2313, 83.7633

## Deuteranomaly

79.4768, 81.7422, 86.4519

## Tritanomaly

76.9083, 82.2715, 98.2127

# Monochromacy



## Original Color

74.3853, 82.5501, 85.4120

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.1270, 81.6802, 87.3548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.3853, 82.5501, 85.4120 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(220, 239, 228)` looks like.

```
.text, #text, p{  
    color:rgb(220, 239, 228)  
}
```

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(220, 239, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 239, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 74.3853, 82.5501, 85.4120 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(220, 239, 228) }
```



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

```
.border{ border-color:rgb(220, 239, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 239, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 239, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 239, 228);  
box-shadow:4px 4px 4px 4px rgb(220, 239,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.3853, 82.5501, 85.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 239, 228) }
```

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

```
.background{ background-color: rgb(220,  
239, 228) }
```

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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