

Converting Colors

XYZ(90.8054, 117.3872,
83.0982)

Have a look what the booklet for
XYZ(90.8054, 117.3872, 83.0982)
contains.

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Color

**XYZ(77.9735, 91.8500,
78.5849)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFD8
RGB	221, 255, 216
RGB Percent	87%, 100%, 85%
CMY	0.1333, 0.0000, 0.1529
CMYK	0.13, 0.00, 0.15, 0.00
HSL	112°, 100%, 92%
HSV	112°, 15%, 100%
XYZ	77.9735, 91.8500, 78.5849
YIQ	240.3880, -7.7450, -19.3370

Conversions

Conversions Part 2

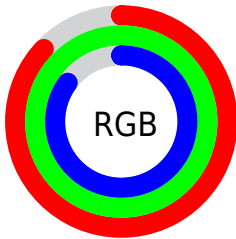
Format	Color
R_{YB}	216, 255, 250
Decimal	14548952
CIE _{Lab}	96.76, -17.96, 15.01
CIE _{LCh}	97, 23.411, 140.117
Yxy	91.8500, 0.3139, 0.3698
Android (android.graphics.Color)	4292739032 (0xFFDDFFD8)
YUV	240.3880, -12.0233, -17.0033
Hunter-Lab	95.8384, -22.4908, 18.4707

Details

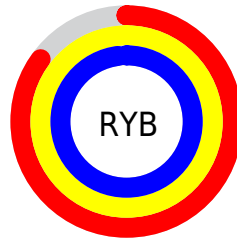
The XYZ color **77.9735, 91.8500, 78.5849** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.0309, 76.6568, 105.0805**, and the grayscale version is **83.2236, 87.5577, 95.3504**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3530, 51.0684, 41.3432** is the 20% darker color. If you saturate the color by 10%, you get **68.6016, 87.3705, 62.2519**, and if you desaturate by 10%, it is **88.7547, 96.9970, 97.6572**.

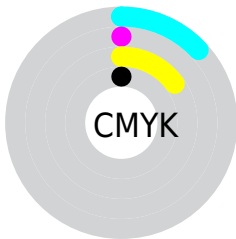
Distribution



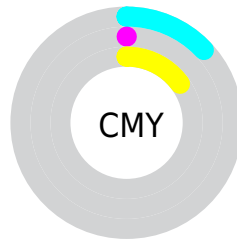
- Red (87%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (98%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9735, 91.8500, 78.5849 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 77.9735, 91.8500, 78.5849 by changing the saturation by 10% instead.

77.9735, 91.8500,
78.5849

77.9735, 91.8500,
78.5849

476.9180,
534.0306, 509.7314

58.3549, 69.5160,
58.0353

129.4783,
149.9055, 133.1677

42.3384, 51.1321,
41.4221

162.0953,
186.3958, 168.0379

29.5586, 36.3137,
28.3269

199.7757,
228.3737, 208.5188

19.6502, 24.6766,
18.3310

242.8851,
276.2236, 255.0288

12.2478, 15.8363,
11.0160

291.7886,
330.3298, 307.9866

6.9861, 9.4084,
5.9633

346.8517,

3.4997, 5.0085,

391.0768, 367.8105

2.7544

408.4397,
458.8489, 434.9193

■ 1.4232, 2.2522,
0.9706

■ 0.2726, 0.7483,
0.0000

■ 77.9735, 91.8500,
78.5849

■ 77.9735, 91.8500,
78.5849

■ 68.6016, 87.3705,
62.2519

■ 88.7547, 96.9970,
97.6572

■ 60.5785, 83.5298,
48.5283

95.0500, 100.0000,
108.9000

■ 53.8423, 80.2992,
37.2804

■ 48.3253, 77.6468,
28.3605

■ 43.9537, 75.5381,
21.6056

■ 40.6455, 73.9349,
16.8316

■ 38.3074, 72.7938,
13.8235

■ 36.8291, 72.0635,
12.3164

■ 36.3774, 71.8383,
11.9489

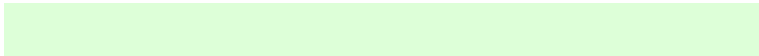
Harmonies

Analogous

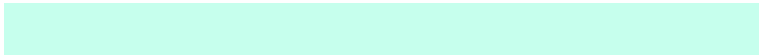
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0331, 91.8500, 69.7751



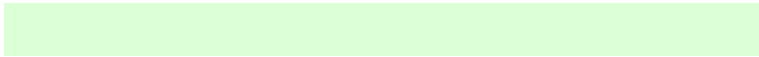
77.9735, 91.8500, 78.5849



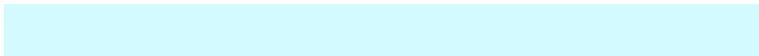
75.4529, 91.8500, 93.9354

Triad

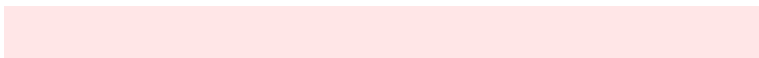
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9735, 91.8500, 78.5849



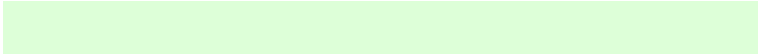
85.1533, 91.8500, 139.9922



99.6903, 91.8500, 88.0900

Complementary

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



77.9735, 91.8500, 78.5849



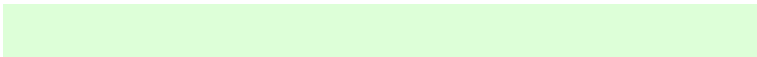
82.0309, 76.6568, 105.0805

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.



100.3280, 91.8500, 106.3390



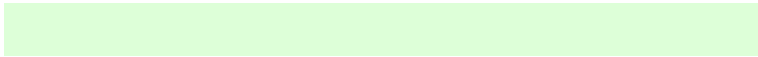
77.9735, 91.8500, 78.5849



91.7120, 91.8500, 137.9151

Square

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



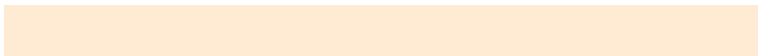
77.9735, 91.8500, 78.5849



79.4587, 91.8500, 130.3743



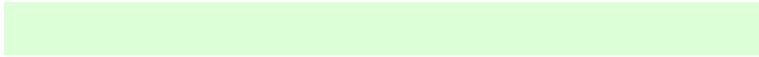
97.3435, 91.8500, 125.0109



95.6423, 91.8500, 74.7676

Rectangle

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



77.9735, 91.8500, 78.5849



75.4610, 91.8500, 106.4910



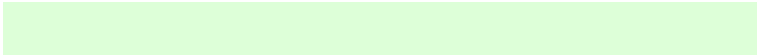
97.3435, 91.8500, 125.0109



100.3182, 91.8500, 93.7956

Sweetspot

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



77.9742, 91.8504, 78.5863



89.0928, 97.1583, 98.2591



87.7585, 94.4651, 78.5753



18.8966, 20.7134, 20.7237



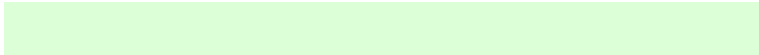
0.0000, 0.0000, 0.0000



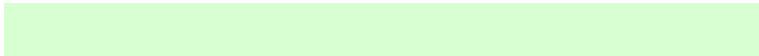
20.3446, 21.4041, 23.3091

Same Dimension

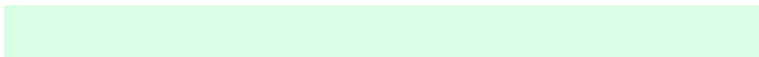
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9742, 91.8504, 78.5863



75.3008, 90.5731, 73.9001



78.4048, 91.8493, 88.6812



17.9879, 20.2797, 19.1106



19.0745, 37.5713, 6.2467



1.9216, 3.6914, 0.6112

Inverse Universe

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



82.0309, 76.6568, 105.0805



79.9831, 73.0310, 104.4886



81.6289, 76.7058, 93.4883



18.5501, 18.1753, 22.7804



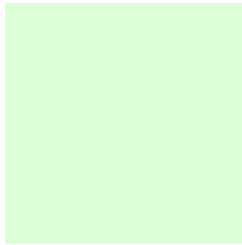
25.3112, 11.9589, 50.4088



2.5257, 1.1959, 4.9110

Previews

White Background



This preview shows how the XYZ color 77.9735, 91.8500, 78.5849 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 77.9735, 91.8500, 78.5849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

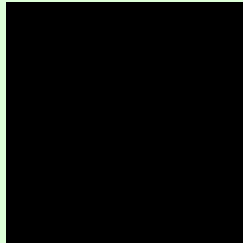
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

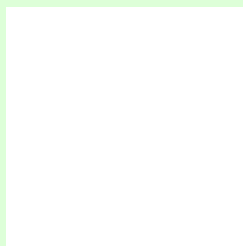
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9735, 91.8500, 78.5849

Background



This preview shows how black text looks on a background with the XYZ color 77.9735, 91.8500, 78.5849.

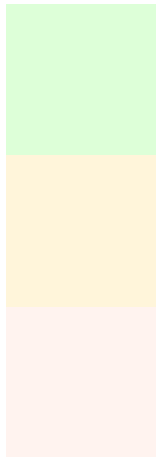


This preview shows how white text looks on a background with the XYZ color 77.9735, 91.8500,

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

77.9735, 91.8500, 78.5849

Protanopia

86.5473, 91.6268, 79.4539

Deuteranopia

88.8706, 91.5932, 94.6566



Tritanopia

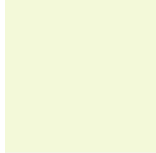
86.6024, 91.4823, 107.7011

Trichromacy



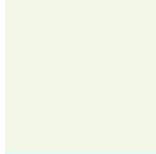
Original Color

77.9735, 91.8500, 78.5849



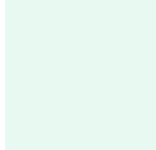
Protanomaly

83.3622, 91.8158, 78.9742



Deuteranomaly

84.6467, 91.3457, 88.7714



Tritanomaly

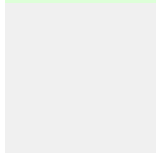
83.0316, 91.2580, 96.4574

Monochromacy



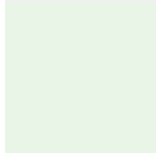
Original Color

77.9735, 91.8500, 78.5849



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.6805, 88.3980, 88.4115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9735, 91.8500, 78.5849 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(221, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 216)  
}
```

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(221, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 77.9735, 91.8500, 78.5849 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(221, 255, 216) }
```


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

```
.border{ border-color:rgb(221, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9735, 91.8500, 78.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 216) }
```

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

```
.background{ background-color: rgb(221,  
255, 216) }
```

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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