

Converting Colors

XYZ(75.9779, 90.8176, 78.6571)

Have a look what the booklet for
XYZ(75.9779, 90.8176, 78.6571)
contains.

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Color

**XYZ(75.8862, 90.7740,
78.4873)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FFD8
RGB	214, 255, 216
RGB Percent	84%, 100%, 85%
CMY	0.1608, 0.0000, 0.1529
CMYK	0.16, 0.00, 0.15, 0.00
HSL	123°, 100%, 92%
HSV	123°, 16%, 100%
XYZ	75.8862, 90.7740, 78.4873
YIQ	238.2950, -11.9170, -20.8210

Conversions

Conversions Part 2

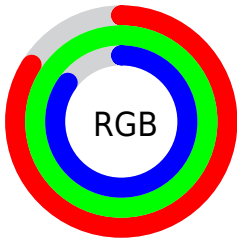
Format	Color
R_{YB}	214, 253, 255
Decimal	14090200
CIE _{Lab}	96.32, -20.27, 14.32
CIE _{LCh}	96, 24.824, 144.758
Yxy	90.7740, 0.3096, 0.3703
Android (android.graphics.Color)	4292280280 (0xFFD6FFD8)
YUV	238.2950, -10.9914, -21.3067
Hunter-Lab	95.2754, -24.5579, 17.8500

Details

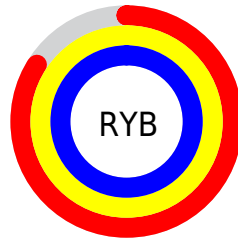
The XYZ color **75.8862, 90.7740, 78.4873** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.0164, 76.4456, 103.3079**, and the grayscale version is **81.5852, 85.8340, 93.4732**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9252, 50.3323, 41.2763** is the 20% darker color. If you saturate the color by 10%, you get **66.1091, 86.0697, 62.8508**, and if you desaturate by 10%, it is **87.2926, 96.2647, 96.6191**.

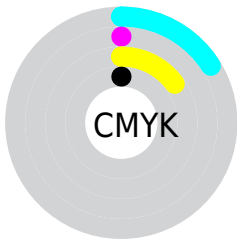
Distribution



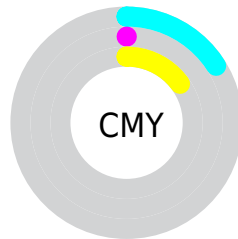
- Red (84%)
- Green (100%)
- Blue (85%)



- Red (84%)
- Yellow (99%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8862, 90.7740, 78.4873 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 75.8862, 90.7740, 78.4873 by changing the saturation by 10% instead.


 75.8862, 90.7740,
78.4873

 75.8862, 90.7740,
78.4873


469.9084,
530.5454, 509.3919

 56.6359, 68.6228,
57.9555


126.5472,
148.4130, 133.0289

 40.9520, 50.4046,
41.3584


158.6887,
184.6697, 167.8759

 28.4691, 35.7350,
28.2775


195.8580,
226.3969, 208.3317

 18.8218, 24.2296,
18.2941

238.4204,
273.9790, 254.8149

 11.6448, 15.5040,
10.9897

286.7413,
327.8006, 307.7439

 6.5728, 9.1739,
5.9458

341.1860,

 3.2403, 4.8548,

388.2459, 367.5374

2.7439

402.1199,
455.6994, 434.6139

■ 1.2821, 2.1623,
0.9654

■ 0.1698, 0.6993,
0.0000

■ 75.8862, 90.7740,
78.4873

■ 75.8862, 90.7740,
78.4873

■ 66.1091, 86.0697,
62.8508

■ 87.2926, 96.2647,
96.6191

■ 57.8851, 82.1149,
49.5965

95.0500, 100.0000,
108.9000

■ 51.1347, 78.8711,
38.6088

■ 45.7708, 76.2963,
29.7607

■ 41.6971, 74.3435,
22.9129

■ 38.8049, 72.9603,
17.9097

■ 36.9676, 72.0851,
14.5723

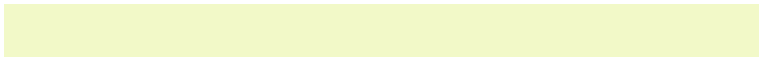
■ 36.0296, 71.6423,
12.6863

■ 35.8291, 71.5476,
12.2839

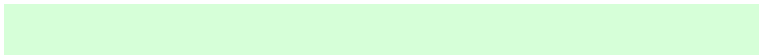
Harmonies

Analogous

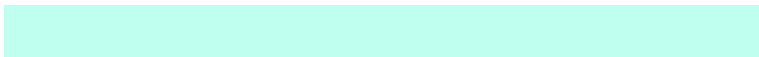
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8384, 90.7740, 68.1837



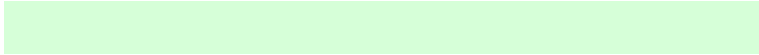
75.8862, 90.7740, 78.4873



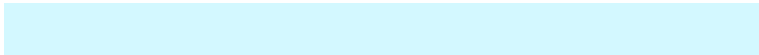
73.7251, 90.7740, 95.4054

Triad

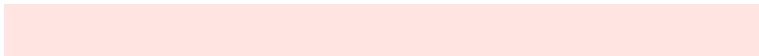
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8862, 90.7740, 78.4873



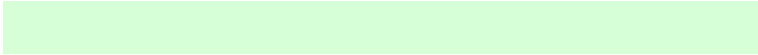
85.0711, 90.7740, 141.7251



98.8997, 90.7740, 83.7588

Complementary

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



75.8862, 90.7740, 78.4873



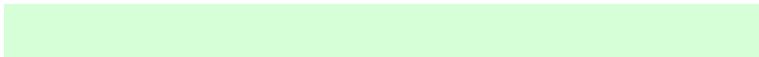
83.0164, 76.4456, 103.3079

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.



100.1805, 90.7740, 102.3508



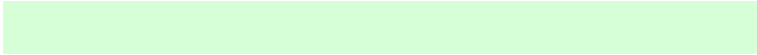
75.8862, 90.7740, 78.4873



91.9562, 90.7740, 137.5268

Square

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



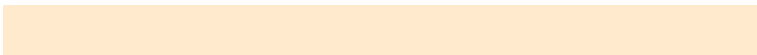
75.8862, 90.7740, 78.4873



78.8441, 90.7740, 133.2440



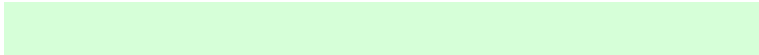
97.5776, 90.7740, 122.4322



94.1650, 90.7740, 70.9310

Rectangle

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



75.8862, 90.7740, 78.4873



74.0699, 90.7740, 108.8396



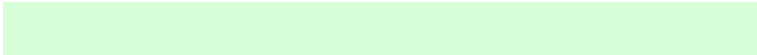
97.5776, 90.7740, 122.4322



99.7587, 90.7740, 89.4677

Sweetspot

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



75.8869, 90.7743, 78.4887



88.6222, 96.9049, 98.7265



88.6368, 97.3768, 77.7432



18.7828, 20.6521, 20.8367



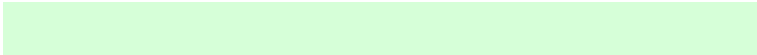
0.0000, 0.0000, 0.0000



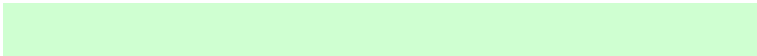
20.3446, 21.4041, 23.3091

Same Dimension

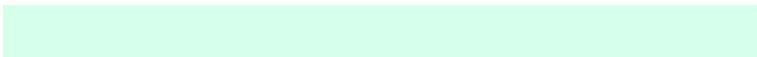
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8869, 90.7743, 78.4887



72.8646, 89.3199, 73.6661



78.6130, 91.8648, 92.8442



17.8075, 20.1825, 19.2892



18.7365, 37.3912, 6.4977



1.8364, 3.6455, 0.6962

Inverse Universe

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



83.0164, 76.4456, 103.3079



81.1156, 72.7365, 102.3887



80.0140, 75.2447, 87.4977



18.7521, 18.2842, 22.5778



29.9837, 14.4828, 45.4260



2.9307, 1.4147, 4.4826

Previews

White Background



This preview shows how the XYZ color 75.8862, 90.7740, 78.4873 looks on a white background.

Color Contrast Check

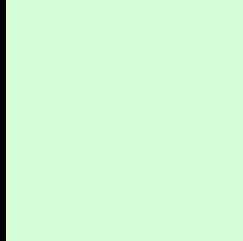
Large Text (above 18pt) WCAG AA × Fail

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 75.8862, 90.7740, 78.4873 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

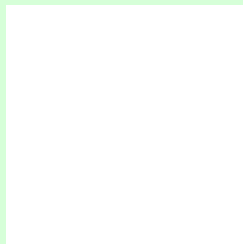
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8862, 90.7740, 78.4873

Background



This preview shows how black text looks on a background with the XYZ color 75.8862, 90.7740, 78.4873.



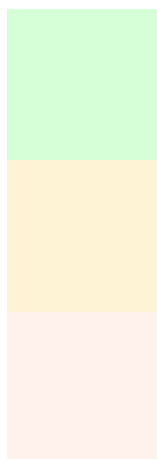
This preview shows how white text looks on a background with the XYZ color 75.8862, 90.7740,

78.4873.

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

75.8862, 90.7740, 78.4873

Protanopia

85.3008, 90.1653, 75.8586

Deuteranopia

87.8356, 90.2267, 92.1429



Tritanopia

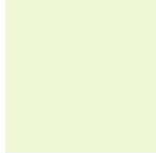
85.2667, 90.7937, 107.6386

Trichromacy



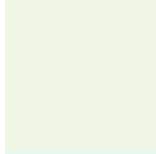
Original Color

75.8862, 90.7740, 78.4873



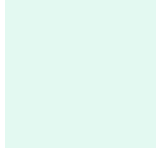
Protanomaly

81.3335, 89.9018, 76.6844



Deuteranomaly

83.0338, 90.0939, 87.1423



Tritanomaly

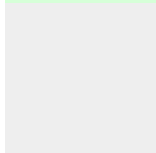
81.4314, 90.4331, 96.3825

Monochromacy



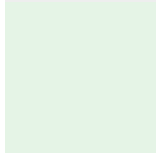
Original Color

75.8862, 90.7740, 78.4873



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9467, 87.0726, 87.5087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8862, 90.7740, 78.4873 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(214, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 75.8862, 90.7740, 78.4873 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(214, 255, 216) }
```


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

```
.border{ border-color:rgb(214, 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(214, 255, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8862, 90.7740, 78.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 216) }
```

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

```
.background{ background-color: rgb(214,  
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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