

Converting Colors

XYZ(73.9092, 89.6563, 82.8448)

Have a look what the booklet for
XYZ(73.9092, 89.6563, 82.8448)
contains.

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Color

**XYZ(73.8467, 89.6313,
82.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFDE
RGB	204, 255, 222
RGB Percent	80%, 100%, 87%
CMY	0.2000, 0.0000, 0.1294
CMYK	0.20, 0.00, 0.13, 0.00
HSL	141°, 100%, 90%
HSV	141°, 20%, 100%
XYZ	73.8467, 89.6313, 82.5157
YIQ	235.9890, -19.8030, -21.0750

Conversions

Conversions Part 2

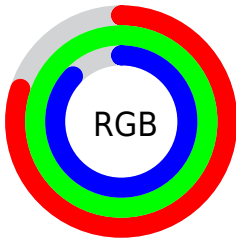
Format	Color
R _Y B	204, 242, 255
Decimal	13434846
CIE Lab	95.84, -22.43, 10.49
CIE LCh	96, 24.760, 154.931
Yxy	89.6313, 0.3002, 0.3644
Android (android.graphics.Color)	4291624926 (0xFFCCFFDE)
YUV	235.9890, -6.8966, -28.0544
Hunter-Lab	94.6738, -26.4470, 14.5957

Details

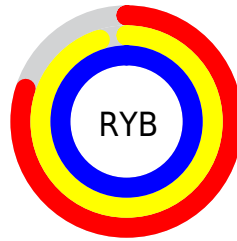
The XYZ color **73.8467, 89.6313, 82.5157** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.1194, 70.5611, 89.6231**, and the grayscale version is **79.7821, 83.9369, 91.4073**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5636, 49.5677, 44.0415** is the 20% darker color. If you saturate the color by 10%, you get **65.3157, 85.4766, 71.1322**, and if you desaturate by 10%, it is **83.7400, 94.4633, 95.0955**.

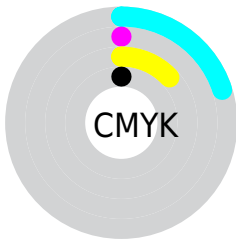
Distribution



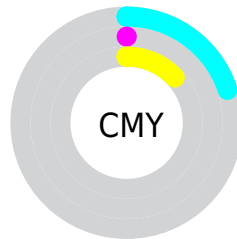
- Red (80%)
- Green (100%)
- Blue (87%)



- Red (80%)
- Yellow (95%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8467, 89.6313, 82.5157 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 73.8467, 89.6313, 82.5157 by changing the saturation by 10% instead.

73.8467, 89.6313,
82.5157

73.8467, 89.6313,
82.5157

463.0026,
526.8308, 523.2997

54.9594, 67.6749,
61.2524

123.6751,
146.8261, 138.7401

39.6029, 49.6333,
43.9970

155.3470,
182.8334, 174.5383

27.4119, 35.1221,
30.3310

192.0111,
224.2930, 216.0186

18.0210, 23.7569,
19.8358

234.0328,
271.5894, 263.5995

11.0649, 15.1534,
12.0928

281.7774,
325.1070, 317.6995

6.1781, 8.9271,
6.6836

335.6104,

2.9954, 4.6937,

385.2301, 378.7372

3.1896

395.8970,
452.3433, 447.1311

■ 1.1513, 2.0687,
1.1922

■ 0.0674, 0.6469,
0.0000

■ 73.8467, 89.6313,
82.5157

■ 73.8467, 89.6313,
82.5157

■ 65.3157, 85.4766,
71.1322

■ 83.7400, 94.4633,
95.0955

■ 58.0828, 81.9667,
60.9056

95.0500, 100.0000,
108.9000

■ 52.0822, 79.0686,
51.8003

■ 47.2408, 76.7453,
43.7775

■ 43.4776, 74.9560,
36.7960

■ 40.7008, 73.6540,
30.8118

■ 38.8012, 72.7842,
25.7774

■ 37.6057, 72.2583,
21.6392

■ 37.6056, 72.2582,
21.6389

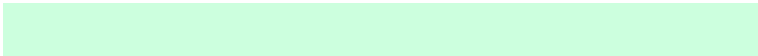
Harmonies

Analogous

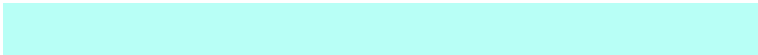
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8948, 89.6313, 69.9037



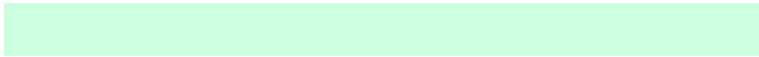
73.8467, 89.6313, 82.5157



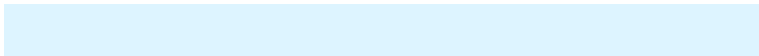
72.7720, 89.6313, 100.8603

Triad

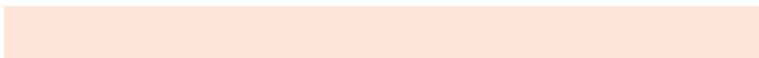
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8467, 89.6313, 82.5157



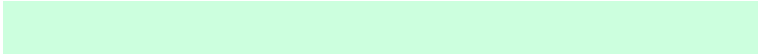
86.3251, 89.6313, 140.0422



96.4128, 89.6313, 77.6119

Complementary

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



73.8467, 89.6313, 82.5157



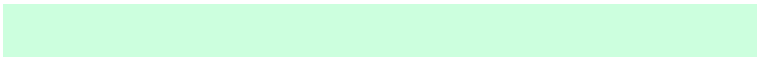
78.1194, 70.5611, 89.6231

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.



98.9501, 89.6313, 94.3976



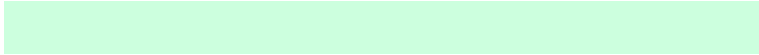
73.8467, 89.6313, 82.5157



92.9310, 89.6313, 131.7714

Square

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



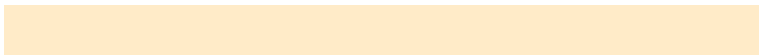
73.8467, 89.6313, 82.5157



79.7503, 89.6313, 135.7583



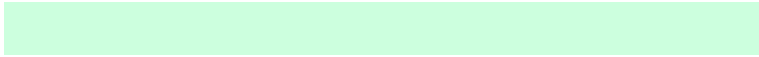
97.6433, 89.6313, 114.4039



90.8755, 89.6313, 67.3487

Rectangle

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



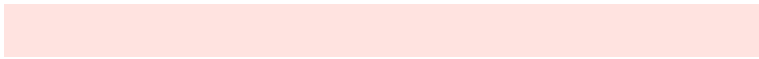
73.8467, 89.6313, 82.5157



73.8345, 89.6313, 114.3125



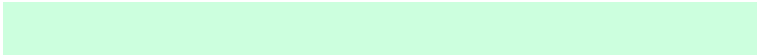
97.6433, 89.6313, 114.4039



97.6579, 89.6313, 82.5892

Sweetspot

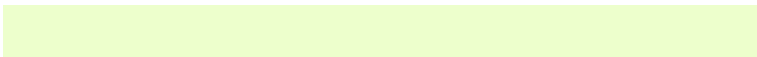
The Sweet Spot groups the original color and five complimentary colors.



73.8475, 89.6317, 82.5171



88.0901, 96.5915, 100.4676



81.6347, 93.9102, 70.9519



18.6995, 20.5985, 21.3135



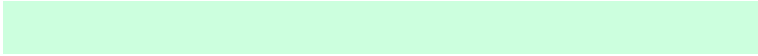
0.0000, 0.0000, 0.0000



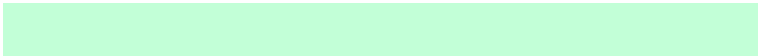
20.3446, 21.4041, 23.3091

Same Dimension

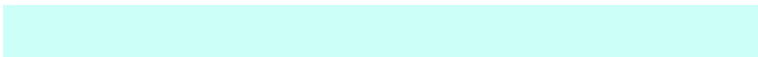
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8475, 89.6317, 82.5171



70.2742, 87.8898, 77.8210



77.5050, 91.0947, 101.7775



18.0363, 20.2741, 20.4943



19.7136, 37.7821, 11.6433



1.9690, 3.6985, 1.3947

Inverse Universe

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



78.1194, 70.5611, 89.6231



75.2524, 65.6606, 86.0976



74.6731, 69.1826, 71.4751



18.5045, 18.1851, 21.2736



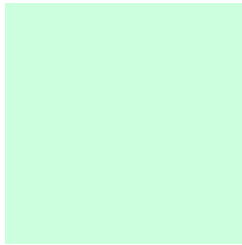
25.1709, 12.5577, 20.0823



2.5027, 1.2435, 2.2288

Previews

White Background



This preview shows how the XYZ color 73.8467, 89.6313, 82.5157 looks on a white background.

Color Contrast Check

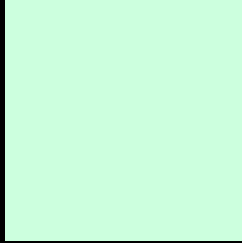
Large Text (above 18pt) WCAG AA × Fail

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 73.8467, 89.6313, 82.5157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

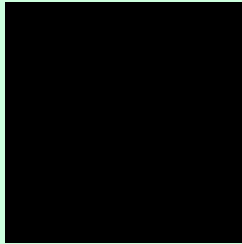
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

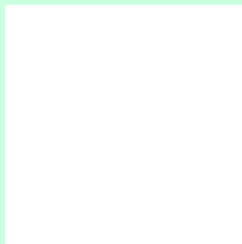
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.8467, 89.6313, 82.5157

Background



This preview shows how black text looks on a background with the XYZ color 73.8467, 89.6313, 82.5157.



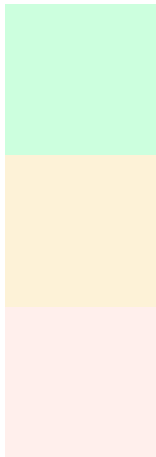
This preview shows how white text looks on a background with the XYZ color 73.8467, 89.6313,

82.5157.

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

73.8467, 89.6313, 82.5157

Protanopia

84.5259, 89.2932, 77.0703

Deuteranopia

87.2468, 89.0491, 91.9467



Tritanopia

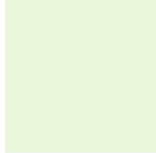
83.0155, 89.1828, 107.4464

Trichromacy



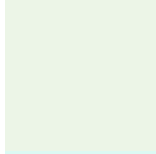
Original Color

73.8467, 89.6313, 82.5157



Protanomaly

80.1766, 89.2457, 79.3300



Deuteranomaly

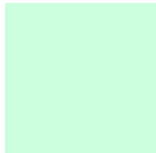
81.6683, 88.9072, 88.4577



Tritanomaly

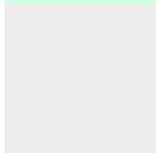
79.5685, 89.4381, 97.8636

Monochromacy



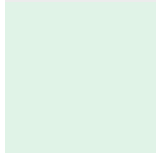
Original Color

73.8467, 89.6313, 82.5157



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.2149, 85.7180, 88.0769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.8467, 89.6313, 82.5157 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(204, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 222)  
}
```

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(204, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 73.8467, 89.6313, 82.5157 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(204, 255, 222) }
```


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

```
.border{ border-color:rgb(204, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 73.8467, 89.6313, 82.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 222) }
```

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

```
.background{ background-color: rgb(204,  
255, 222) }
```

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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