

Converting Colors

XYZ(73.7645, 88.6518, 82.3331)

Have a look what the booklet for
XYZ(73.7645, 88.6518, 82.3331)
contains.

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Color

**XYZ(73.7637, 88.6463,
82.3299)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFDDDE
RGB	206, 253, 222
RGB Percent	81%, 99%, 87%
CMY	0.1921, 0.0078, 0.1294
CMYK	0.19, 0.00, 0.12, 0.01
HSL	140°, 92%, 90%
HSV	140°, 19%, 99%
XYZ	73.7637, 88.6463, 82.3299
YIQ	235.4130, -18.0610, -19.6050

Conversions

Conversions Part 2

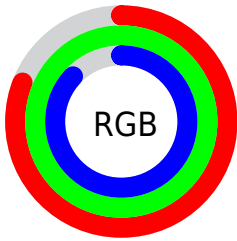
Format	Color
R _Y B	206, 241, 253
Decimal	13565406
CIE Lab	95.43, -20.83, 9.92
CIE LCh	95, 23.068, 154.534
Yxy	88.6463, 0.3014, 0.3622
Android (android.graphics.Color)	4291755486 (0xFFCEFDDE)
YUV	235.4130, -6.6126, -25.7952
Hunter-Lab	94.1522, -24.9201, 14.0613

Details

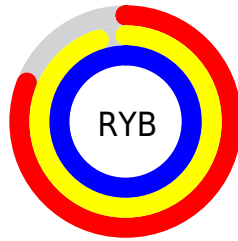
The XYZ color **73.7637, 88.6463, 82.3299** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.8685, 71.1419, 89.7524**, and the grayscale version is **79.3411, 83.4730, 90.9021**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4775, 48.8492, 43.9074** is the 20% darker color. If you saturate the color by 10%, you get **65.1704, 84.4646, 70.8248**, and if you desaturate by 10%, it is **83.7139, 93.5069, 95.0580**.

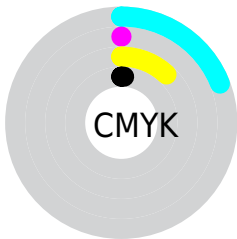
Distribution



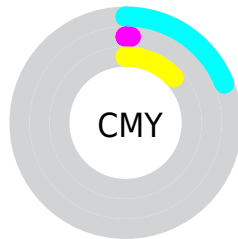
- Red (81%)
- Green (99%)
- Blue (87%)



- Red (81%)
- Yellow (95%)
- Blue (99%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)



- Cyan (19%)
- Magenta (1%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7637, 88.6463, 82.3299 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 73.7637, 88.6463, 82.3299 by changing the saturation by 10% instead.

73.7637, 88.6463,
82.3299

73.7637, 88.6463,
82.3299

462.7203,
523.6174, 522.6629

54.8913, 66.8584,
61.1001

123.5581,
145.4566, 138.4774

39.5482, 48.9696,
43.8749

155.2107,
181.2479, 174.2321

27.3691, 34.5954,
30.2357

191.8541,
222.4757, 215.6656

17.9886, 23.3513,
19.7640

233.8537,
269.5245, 263.1964

11.0415, 14.8532,
12.0412

281.5747,
322.7787, 317.2429

6.1622, 8.7164,
6.6489

335.3826,

2.9856, 4.5567,

382.6226, 378.2238

3.1684

395.6427,
449.4407, 446.5577

■ 1.1461, 1.9896,
1.1813

■ 0.0632, 0.6014,
0.0000

■ 73.7637, 88.6463,
82.3299

■ 73.7637, 88.6463,
82.3299

■ 65.1704, 84.4646,
70.8248

■ 83.7139, 93.5069,
95.0580

■ 57.8663, 80.9201,
60.5006

■ 94.4170, 98.7339,
108.6890

■ 51.7886, 77.9838,
51.3211

■ 46.8665, 75.6200,
43.2462

■ 43.0213, 73.7890,
36.2335

■ 40.1639, 72.4457,
30.2376

■ 38.1901, 71.5374,
25.2097

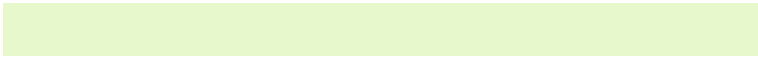
■ 36.9541, 70.9900,
21.0955

■ 36.8117, 70.9278,
20.5805

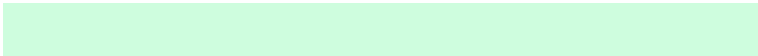
Harmonies

Analogous

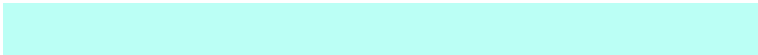
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5593, 88.6463, 70.6190



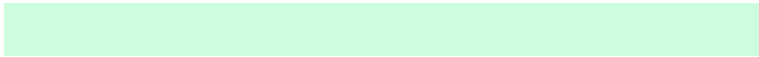
73.7637, 88.6463, 82.3299



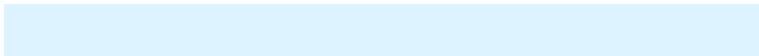
72.7239, 88.6463, 99.2952

Triad

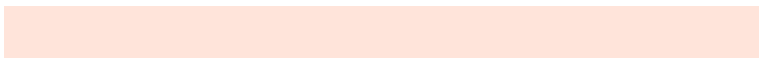
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7637, 88.6463, 82.3299



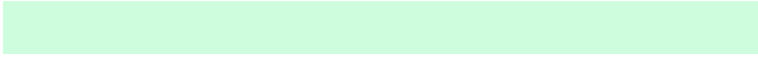
85.2189, 88.6463, 135.4936



94.6573, 88.6463, 78.1224

Complementary

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



73.7637, 88.6463, 82.3299



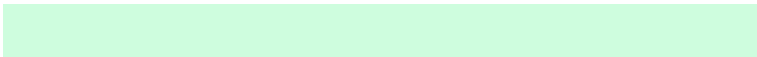
77.8685, 71.1419, 89.7524

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.



96.9462, 88.6463, 93.7985



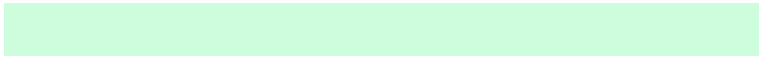
73.7637, 88.6463, 82.3299



91.3267, 88.6463, 128.0885

Square

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



73.7637, 88.6463, 82.3299



79.1428, 88.6463, 131.4360



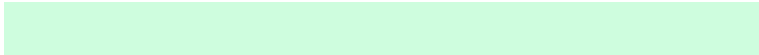
95.6981, 88.6463, 112.2552



89.5841, 88.6463, 68.4110

Rectangle

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



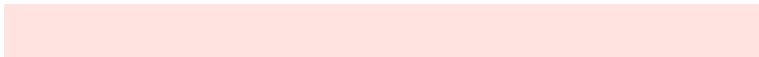
73.7637, 88.6463, 82.3299



73.6873, 88.6463, 111.6890



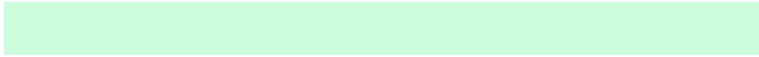
95.6981, 88.6463, 112.2552



95.7890, 88.6463, 82.7920

Sweetspot

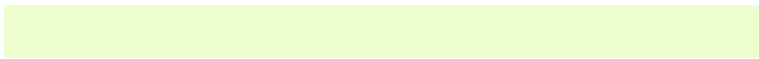
The Sweet Spot groups the original color and five complimentary colors.



73.7661, 88.6500, 82.3319



88.0608, 96.5798, 100.3132



81.3056, 92.7729, 72.0154



18.6926, 20.5957, 21.2771



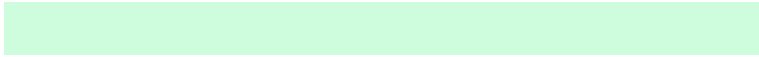
0.0000, 0.0000, 0.0000



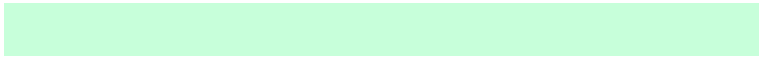
20.3446, 21.4041, 23.3091

Same Dimension

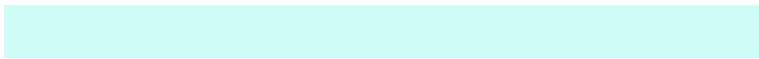
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7661, 88.6500, 82.3319



71.9411, 88.7102, 79.6584



77.0887, 89.9790, 99.8282



18.0267, 20.2702, 20.4436



19.6425, 37.7536, 11.2684



1.9613, 3.6954, 1.3539

Inverse Universe

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



77.8685, 71.1419, 89.7524



76.7667, 68.1114, 88.3841



74.6983, 69.8738, 73.0583



18.5145, 18.1891, 21.3264



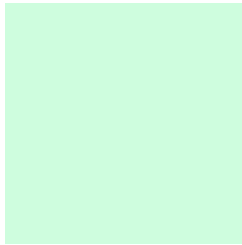
25.3242, 12.6190, 20.8898



2.5169, 1.2491, 2.3036

Previews

White Background



This preview shows how the XYZ color 73.7637, 88.6463, 82.3299 looks on a white background.

Color Contrast Check

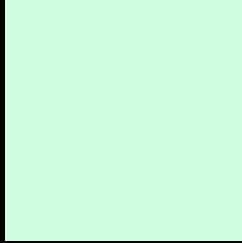
Large Text (above 18pt) WCAG AA × Fail

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 73.7637, 88.6463, 82.3299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

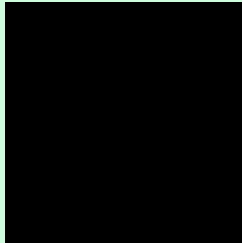
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

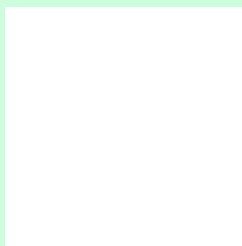
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.7637, 88.6463, 82.3299

Background



This preview shows how black text looks on a background with the XYZ color 73.7637, 88.6463, 82.3299.



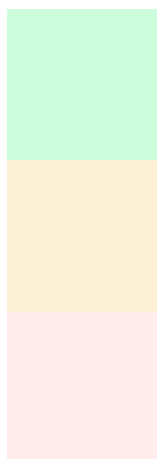
This preview shows how white text looks on a background with the XYZ color 73.7637, 88.6463,

82.3299.

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

73.7637, 88.6463, 82.3299

Protanopia

83.5707, 87.9219, 76.8560

Deuteranopia

86.8099, 88.4072, 91.0862



Tritanopia

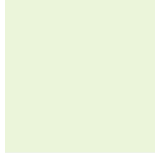
82.0792, 88.2523, 107.3161

Trichromacy



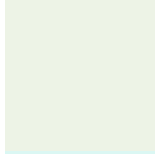
Original Color

73.7637, 88.6463, 82.3299



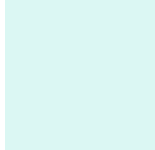
Protanomaly

79.5682, 88.0289, 79.1273



Deuteranomaly

81.2586, 87.8189, 87.5309



Tritanomaly

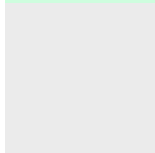
78.6518, 88.0527, 97.6445

Monochromacy



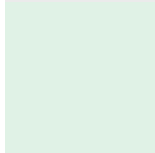
Original Color

73.7637, 88.6463, 82.3299



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.7755, 85.0647, 87.2355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.7637, 88.6463, 82.3299 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(206, 253, 222)` looks like.

```
.text, #text, p{  
    color:rgb(206, 253, 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(206, 253, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 253, 222) }
```

Border

The CSS property to change the border of an element to XYZ 73.7637, 88.6463, 82.3299 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(206, 253, 222) }
```


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

```
.border{ border-color:rgb(206, 253, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 253, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 253, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 253, 222);  
box-shadow:4px 4px 4px 4px rgb(206, 253,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7637, 88.6463, 82.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 253, 222) }
```

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

```
.background{ background-color: rgb(206,  
253, 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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