

Converting Colors

XYZ(83.5916, 109.3198,
78.9552)

Have a look what the booklet for
XYZ(83.5916, 109.3198, 78.9552)
contains.

XYZ(73.9382, 89.8288, 75.7291)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(73.9382, 89.8288,
75.7291)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FFD4
RGB	209, 255, 212
RGB Percent	82%, 100%, 83%
CMY	0.1804, 0.0000, 0.1686
CMYK	0.18, 0.00, 0.17, 0.00
HSL	124°, 100%, 91%
HSV	124°, 18%, 100%
XYZ	73.9382, 89.8288, 75.7291
YIQ	236.3440, -13.6130, -23.1250

Conversions

Conversions Part 2

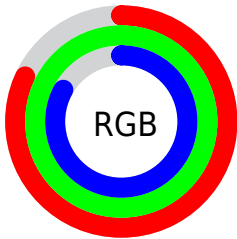
Format	Color
R_{YB}	209, 252, 255
Decimal	13762516
CIE _{Lab}	95.93, -22.59, 15.78
CIE _{LCh}	96, 27.554, 145.074
Yxy	89.8288, 0.3087, 0.3751
Android (android.graphics.Color)	4291952596 (0xFFD1FFD4)
YUV	236.3440, -12.0016, -23.9807
Hunter-Lab	94.7781, -26.6103, 18.9710

Details

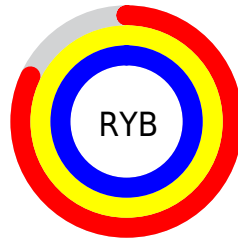
The XYZ color **73.9382, 89.8288, 75.7291** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.6115, 73.8899, 102.0558**, and the grayscale version is **80.0886, 84.2594, 91.7585**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6063, 49.6925, 39.4024** is the 20% darker color. If you saturate the color by 10%, you get **64.5029, 85.2869, 60.7329**, and if you desaturate by 10%, it is **84.9735, 95.1442, 93.1202**.

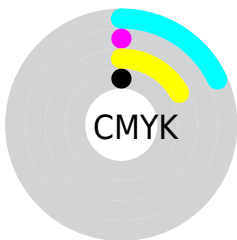
Distribution



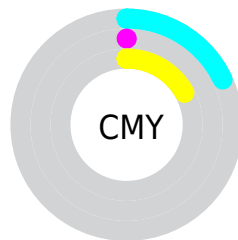
- Red (82%)
- Green (100%)
- Blue (83%)



- Red (82%)
- Yellow (99%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.9382, 89.8288, 75.7291 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 73.9382, 89.8288, 75.7291 by changing the saturation by 10% instead.


 73.9382, 89.8288,
75.7291

 73.9382, 89.8288,
75.7291


463.3137,
527.4738, 499.7420

 55.0346, 67.8387,
55.7051


123.8042,
147.1006, 129.1005

 39.6633, 49.7665,
39.5641


155.4972,
183.1510, 163.2849

 27.4592, 35.2279,
26.8877


192.1841,
224.6569, 203.0266

 18.0568, 23.8385,
17.2572

234.2302,
272.0029, 248.7440

 11.0907, 15.2138,
10.2541

282.0008,
325.5731, 300.8557

 6.1956, 8.9696,
5.4600

335.8614,

 3.0062, 4.7214,

385.7521, 359.7802

2.4562

396.1772,
452.9242, 425.9361

■ 1.1570, 2.0847,
0.8168

■ 0.0720, 0.6560,
0.0000

■ 73.9382, 89.8288,
75.7291

■ 73.9382, 89.8288,
75.7291

■ 64.5029, 85.2869,
60.7329

■ 84.9735, 95.1442,
93.1202

■ 56.5914, 81.4815,
48.0227

95.0500, 100.0000,
108.9000

■ 50.1244, 78.3741,
37.4876

■ 45.0143, 75.9222,
29.0056

■ 41.1643, 74.0787,
22.4430

■ 38.4646, 72.7903,
17.6500

■ 36.7866, 71.9942,
14.4548

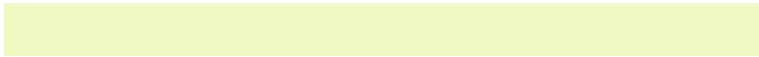
■ 35.9608, 71.6076,
12.6509

■ 35.8583, 71.5593,
12.4378

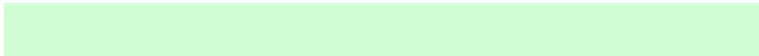
Harmonies

Analogous

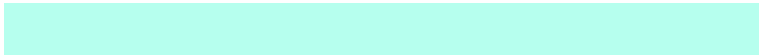
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3288, 89.8288, 64.5562



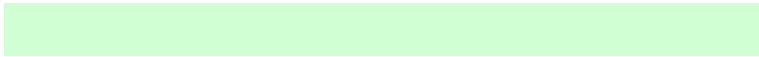
73.9382, 89.8288, 75.7291



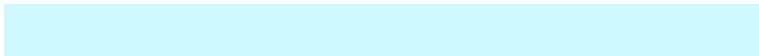
71.6182, 89.8288, 94.2546

Triad

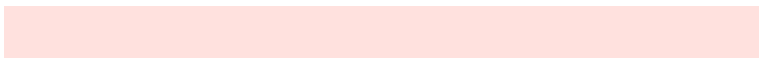
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.9382, 89.8288, 75.7291



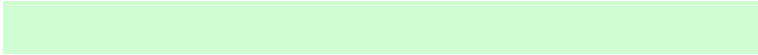
84.1295, 89.8288, 145.7698



99.3273, 89.8288, 81.1057

Complementary

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



73.9382, 89.8288, 75.7291



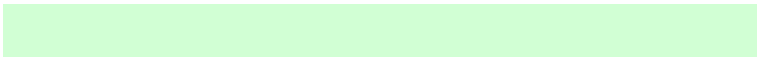
81.6115, 73.8899, 102.0558

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.



100.7997, 89.8288, 101.4502



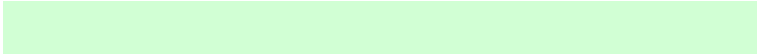
73.9382, 89.8288, 75.7291



91.7305, 89.8288, 140.8760

Square

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



73.9382, 89.8288, 75.7291



77.2750, 89.8288, 136.3373



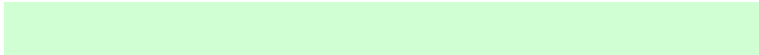
97.9443, 89.8288, 123.8091



94.0319, 89.8288, 67.3220

Rectangle

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



73.9382, 89.8288, 75.7291



72.0186, 89.8288, 109.1138



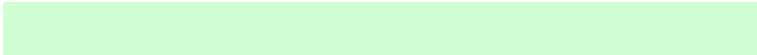
97.9443, 89.8288, 123.8091



100.2986, 89.8288, 87.3120

Sweetspot

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



73.9389, 89.8291, 75.7305



88.6538, 96.9175, 98.8931



87.6677, 96.9499, 74.4152



18.7904, 20.6551, 20.8770



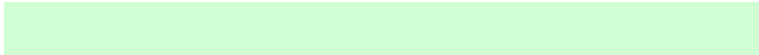
0.0000, 0.0000, 0.0000



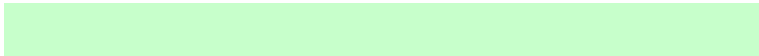
20.3446, 21.4041, 23.3091

Same Dimension

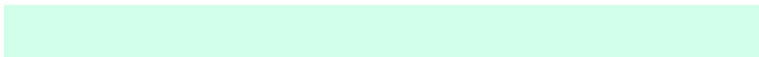
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.9389, 89.8291, 75.7305



70.0137, 87.9393, 69.5089



76.9495, 91.0334, 91.5841



17.8196, 20.1874, 19.3531



18.7547, 37.3985, 6.5934



1.8421, 3.6478, 0.7264

Inverse Universe

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



81.6115, 73.8899, 102.0558



79.1068, 69.0474, 100.7066



78.2818, 72.5581, 84.5221



18.7385, 18.2787, 22.5060



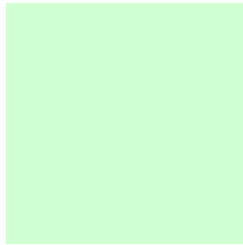
29.6627, 14.3544, 43.7357



2.9030, 1.4036, 4.3365

Previews

White Background



This preview shows how the XYZ color 73.9382, 89.8288, 75.7291 looks on a white background.

Color Contrast Check

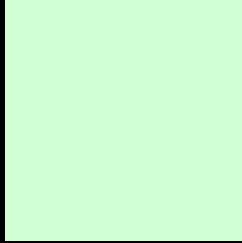
Large Text (above 18pt) WCAG AA × Fail

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 73.9382, 89.8288, 75.7291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

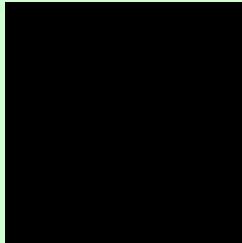
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

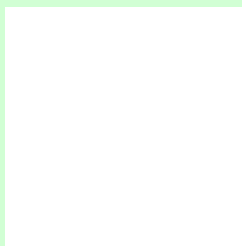
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.9382, 89.8288, 75.7291

Background



This preview shows how black text looks on a background with the XYZ color 73.9382, 89.8288, 75.7291.



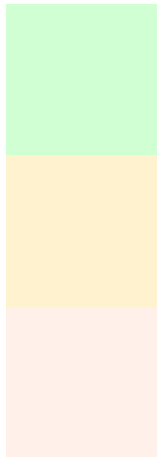
This preview shows how white text looks on a background with the XYZ color 73.9382, 89.8288,

75.7291.

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

73.9382, 89.8288, 75.7291

Protanopia

84.2546, 89.2693, 71.8215

Deuteranopia

87.2514, 89.5207, 90.5225



Tritanopia

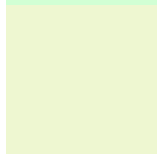
83.6574, 89.5137, 107.4764

Trichromacy



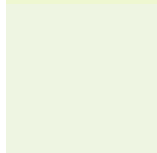
Original Color

73.9382, 89.8288, 75.7291



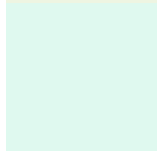
Protanomaly

80.0293, 89.3021, 73.3406



Deuteranomaly

81.6398, 88.9729, 84.8221



Tritanomaly

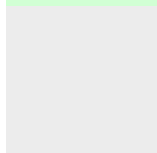
79.8871, 89.6713, 94.7592

Monochromacy



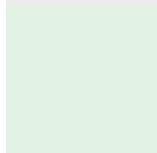
Original Color

73.9382, 89.8288, 75.7291



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.2798, 85.8160, 85.1641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.9382, 89.8288, 75.7291 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(209, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 212)  
}
```

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(209, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 73.9382, 89.8288, 75.7291 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(209, 255, 212) }
```


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

```
.border{ border-color:rgb(209, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 73.9382, 89.8288, 75.7291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 212) }
```

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

```
.background{ background-color: rgb(209,  
255, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor