

Converting Colors

XYZ(72.9198, 83.8430, 78.1151)

Have a look what the booklet for
XYZ(72.9198, 83.8430, 78.1151)
contains.

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Color

**XYZ(72.8939, 83.7099,
77.9613)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F3D9
RGB	216, 243, 217
RGB Percent	85%, 95%, 85%
CMY	0.1529, 0.0470, 0.1490
CMYK	0.11, 0.00, 0.11, 0.05
HSL	122°, 53%, 90%
HSV	122°, 11%, 95%
XYZ	72.8939, 83.7099, 77.9613
YIQ	231.9630, -7.7460, -13.8100

Conversions

Conversions Part 2

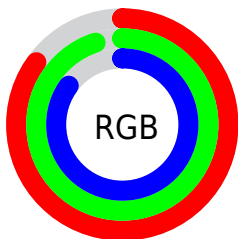
Format	Color
R _Y B	216, 242, 243
Decimal	14218201
CIE Lab	93.32, -13.55, 9.57
CIE LCh	93, 16.589, 144.787
Yxy	83.7099, 0.3108, 0.3569
Android (android.graphics.Color)	4292408281 (0xFFD8F3D9)
YUV	231.9630, -7.3768, -13.9996
Hunter-Lab	91.4931, -17.8994, 13.5242

Details

The XYZ color **72.8939, 83.7099, 77.9613** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.5481, 74.5793, 94.3165**, and the grayscale version is **76.7337, 80.7298, 87.9147**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9899, 45.7263, 40.9535** is the 20% darker color. If you saturate the color by 10%, you get **63.4077, 79.1491, 62.7399**, and if you desaturate by 10%, it is **83.8781, 88.9978, 95.5091**.

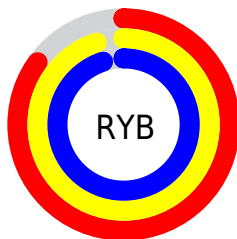
Distribution



Red (85%)

Green (95%)

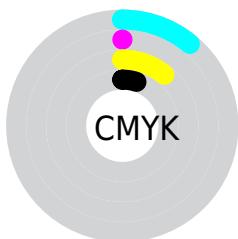
Blue (85%)



Red (85%)

Yellow (95%)

Blue (95%)

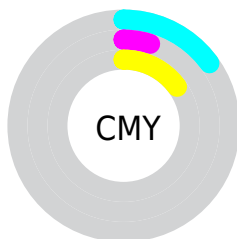


Cyan (11%)

Magenta (0%)

Yellow (11%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8939, 83.7099, 77.9613 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 72.8939, 83.7099, 77.9613 by changing the saturation by 10% instead.

72.8939, 83.7099,
77.9613

72.8939, 83.7099,
77.9613

459.7565,
507.3494, 507.5598

54.1773, 62.7760,
57.5259

122.3305,
138.5693, 132.2809

38.9746, 45.6600,
41.0155

153.7812,
173.2635, 167.0023

26.9206, 31.9776,
28.0114

190.2073,
213.3133, 207.3227

17.6499, 21.3444,
18.0951

231.9742,
259.1031, 253.6607

10.7971, 13.3760,
10.8482

279.4472,
311.0171, 306.4349

5.9968, 7.6879,
5.8519

332.9917,

2.8838, 3.8959,

369.4400, 366.0638

2.6879

392.9730,
434.7559, 432.9659

■ 1.0926, 1.6155,
0.9373

■ 0.0189, 0.3680,
0.0000

■ 72.8939, 83.7099,
77.9613

■ 72.8939, 83.7099,
77.9613

■ 63.4077, 79.1491,
62.7399

■ 83.8781, 88.9978,
95.5091

■ 55.3480, 75.2735,
49.7421

■ 91.3422, 92.5845,
107.6641

■ 48.6480, 72.0534,
38.8655

■ 43.2327, 69.4523,
29.9975

■ 39.0199, 67.4307,
23.0154

■ 35.9178, 65.9441,
17.7827

■ 33.8215, 64.9418,
14.1447

■ 32.6061, 64.3632,
11.9197

■ 32.1015, 64.1242,
10.9438

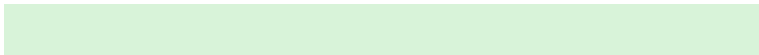
Harmonies

Analogous

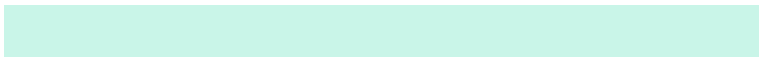
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0926, 83.7099, 70.9964



72.8939, 83.7099, 77.9613



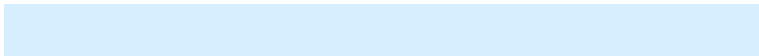
71.4854, 83.7099, 88.9766

Triad

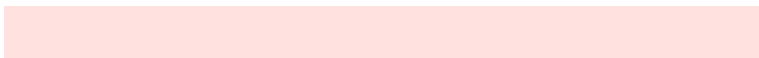
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8939, 83.7099, 77.9613



78.8027, 83.7099, 117.2741



87.4391, 83.7099, 81.4242

Complementary

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



72.8939, 83.7099, 77.9613



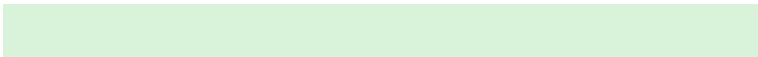
77.5481, 74.5793, 94.3165

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.



88.2289, 83.7099, 93.3501



72.8939, 83.7099, 77.9613



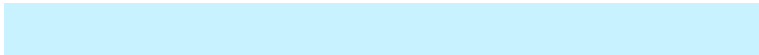
83.1389, 83.7099, 114.7869

Square

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



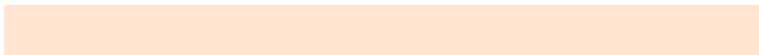
72.8939, 83.7099, 77.9613



74.8160, 83.7099, 112.2556



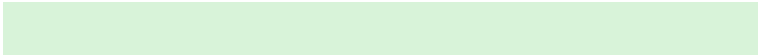
86.6285, 83.7099, 105.7389



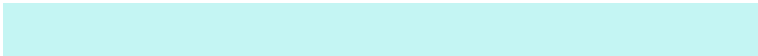
84.5082, 83.7099, 72.8637

Rectangle

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



72.8939, 83.7099, 77.9613



71.7124, 83.7099, 97.4270



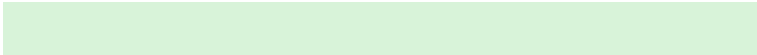
86.6285, 83.7099, 105.7389



87.9683, 83.7099, 85.1407

Sweetspot

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



72.8962, 83.7135, 77.9631



91.1278, 98.1124, 102.6437



81.1012, 87.9583, 77.6699



19.2864, 20.8948, 21.6209



0.0000, 0.0000, 0.0000



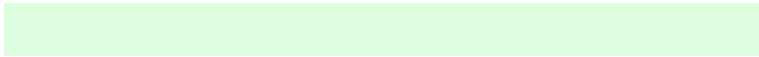
20.3446, 21.4041, 23.3091

Same Dimension

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



72.8962, 83.7135, 77.9631



79.1681, 92.3578, 83.5214



74.7113, 84.4395, 87.5212



16.3071, 18.4820, 17.6355



17.6283, 35.1962, 6.0624



1.5579, 3.0968, 0.5780

Inverse Universe

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



77.5481, 74.5793, 94.3165



85.1744, 80.5641, 104.6359



75.6078, 73.8032, 84.0992



17.1856, 16.7571, 20.7237



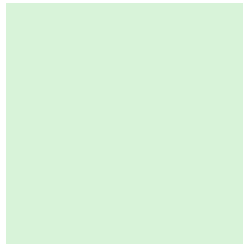
28.4486, 13.7229, 43.9323



2.5085, 1.2094, 3.9041

Previews

White Background



This preview shows how the XYZ color 72.8939, 83.7099, 77.9613 looks on a white background.

Color Contrast Check

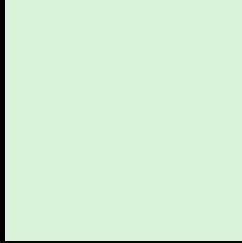
Large Text (above 18pt) WCAG AA × Fail

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 72.8939, 83.7099, 77.9613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

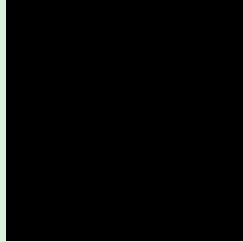
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

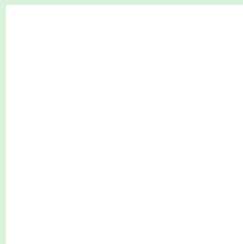
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8939, 83.7099, 77.9613

Background



This preview shows how black text looks on a background with the XYZ color 72.8939, 83.7099, 77.9613.

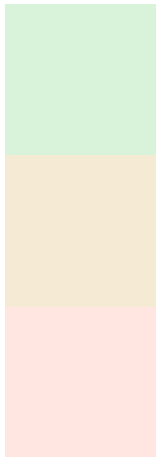


This preview shows how white text looks on a background with the XYZ color 72.8939, 83.7099,

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

72.8939, 83.7099, 77.9613

Protanopia

79.3748, 83.6332, 74.9101

Deuteranopia

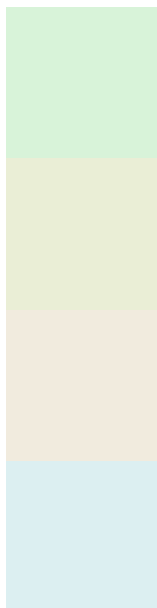
83.1274, 83.2899, 82.9294



Tritanopia

78.7656, 83.4763, 106.5689

Trichromacy



Original Color

72.8939, 83.7099, 77.9613

Protanomaly

76.6438, 83.4965, 75.6952

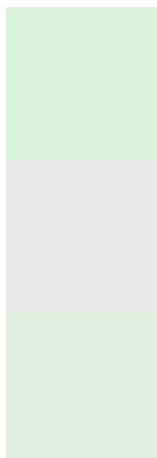
Deuteranomaly

79.1688, 83.3914, 81.0307

Tritanomaly

76.2589, 83.2995, 95.2782

Monochromacy



Original Color

72.8939, 83.7099, 77.9613

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.2246, 81.7057, 84.4791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8939, 83.7099, 77.9613 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(216, 243, 217)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 217)  
}
```

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(216, 243, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 217) }
```

Border

The CSS property to change the border of an element to XYZ 72.8939, 83.7099, 77.9613 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(216, 243, 217) }
```


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

```
.border{ border-color:rgb(216, 243, 217) }
```

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

Here you see how a box with a 4 pixel rgb(216, 243, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 217);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8939, 83.7099, 77.9613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 243, 217) }
```

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

```
.background{ background-color: rgb(216,  
243, 217) }
```

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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