

Converting Colors

XYZ(72.8738, 84.5069, 77.9459)

Have a look what the booklet for
XYZ(72.8738, 84.5069, 77.9459)
contains.

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Color

**XYZ(72.9083, 84.6107,
78.1345)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F5D9
RGB	214, 245, 217
RGB Percent	84%, 96%, 85%
CMY	0.1608, 0.0392, 0.1490
CMYK	0.13, 0.00, 0.11, 0.04
HSL	126°, 61%, 90%
HSV	126°, 13%, 96%
XYZ	72.9083, 84.6107, 78.1345
YIQ	232.5390, -9.4880, -15.2800

Conversions

Conversions Part 2

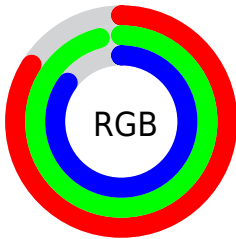
Format	Color
R _Y B	214, 242, 245
Decimal	14087641
CIE Lab	93.72, -15.21, 10.11
CIE LCh	94, 18.260, 146.392
Yxy	84.6107, 0.3094, 0.3590
Android (android.graphics.Color)	4292277721 (0xFFD6F5D9)
YUV	232.5390, -7.6607, -16.2587
Hunter-Lab	91.9841, -19.4897, 14.0258

Details

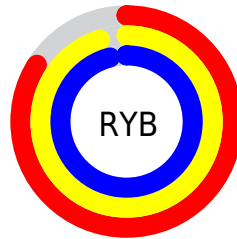
The XYZ color **72.9083, 84.6107, 78.1345** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.7327, 73.9183, 94.1789**, and the grayscale version is **77.1684, 81.1872, 88.4128**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0173, 46.3748, 41.0772** is the 20% darker color. If you saturate the color by 10%, you get **63.6007, 80.1255, 63.6679**, and if you desaturate by 10%, it is **83.6821, 89.8120, 94.6880**.

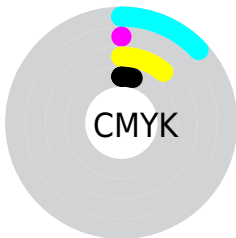
Distribution



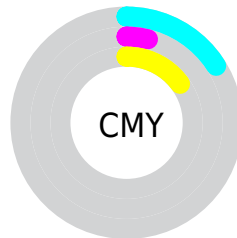
- Red (84%)
- Green (96%)
- Blue (85%)



- Red (84%)
- Yellow (95%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9083, 84.6107, 78.1345 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 72.9083, 84.6107, 78.1345 by changing the saturation by 10% instead.

72.9083, 84.6107,
78.1345

72.9083, 84.6107,
78.1345

459.8056,
510.3390, 508.1635

54.1891, 63.5198,
57.6674

122.3509,
139.8291, 132.5273

38.9841, 46.2618,
41.1284

153.8049,
174.7254, 167.2901

26.9281, 32.4525,
28.0989

190.2346,
214.9923, 207.6551

17.6555, 21.7073,
18.1606

232.0054,
261.0141, 254.0410

10.8011, 13.6420,
10.8947

279.4825,
313.1753, 306.8662

5.9996, 7.8721,
5.8828

333.0313,

2.8855, 4.0132,

371.8603, 366.5493

2.7063

393.0173,
437.4534, 433.5089

■ 1.0935, 1.6810,
0.9466

■ 0.0197, 0.4113,
0.0000

■ 72.9083, 84.6107,
78.1345

■ 72.9083, 84.6107,
78.1345

■ 63.6007, 80.1255,
63.6679

■ 83.6821, 89.8120,
94.6880

■ 55.6891, 76.3147,
51.2001

■ 91.9441, 93.7881,
107.8647

■ 49.1083, 73.1489,
40.6450

■ 43.7847, 70.5924,
31.9077

■ 39.6378, 68.6057,
24.8859

■ 36.5778, 67.1450,
19.4664

■ 34.5015, 66.1598,
15.5231

■ 33.2859, 65.5897,
12.9103

■ 32.8160, 65.3729,
11.7372

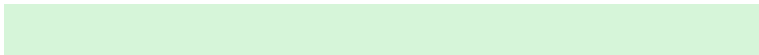
Harmonies

Analogous

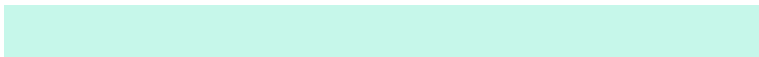
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3497, 84.6107, 70.2351



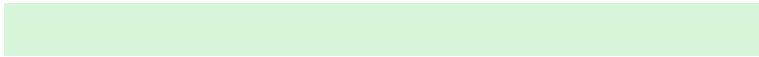
72.9083, 84.6107, 78.1345



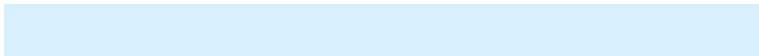
71.4765, 84.6107, 90.4580

Triad

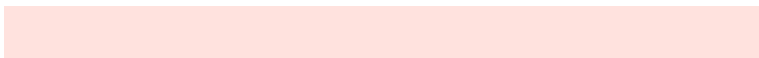
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9083, 84.6107, 78.1345



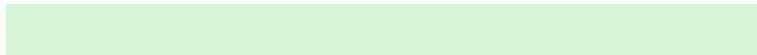
79.8351, 84.6107, 121.4005



89.0566, 84.6107, 80.7691

Complementary

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



72.9083, 84.6107, 78.1345



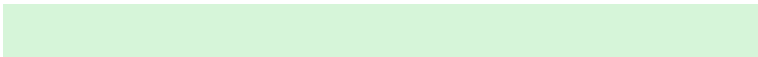
77.7327, 73.9183, 94.1789

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.



90.0800, 84.6107, 93.8158



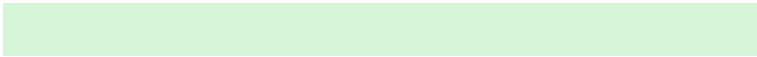
72.9083, 84.6107, 78.1345



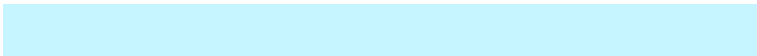
84.6323, 84.6107, 118.1513

Square

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



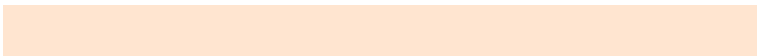
72.9083, 84.6107, 78.1345



75.3731, 84.6107, 116.1805



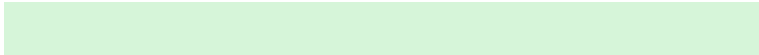
88.4306, 84.6107, 107.6969



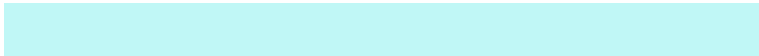
85.6872, 84.6107, 71.6455

Rectangle

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



72.9083, 84.6107, 78.1345



71.8099, 84.6107, 99.8627



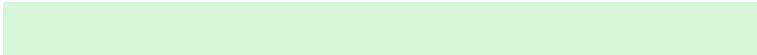
88.4306, 84.6107, 107.6969



89.6920, 84.6107, 84.8008

Sweetspot

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



72.9106, 84.6143, 78.1364



89.9483, 97.5373, 101.1034



81.5547, 89.1152, 76.5217



19.0537, 20.7810, 21.3355



0.0000, 0.0000, 0.0000



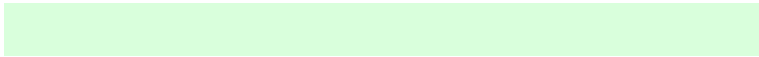
20.3446, 21.4041, 23.3091

Same Dimension

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



72.9106, 84.6143, 78.1364



77.2792, 91.4247, 81.5981



74.9638, 85.4356, 88.9485



16.3473, 18.4981, 17.8475



17.6998, 35.2248, 6.4391



1.5771, 3.1045, 0.6791

Inverse Universe

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



77.7327, 73.9183, 94.1789



83.4481, 77.7408, 102.1206



75.5590, 73.0488, 82.7324



17.1404, 16.7390, 20.4860



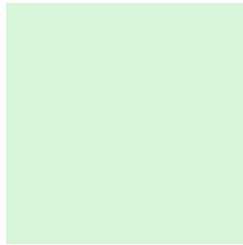
27.3665, 13.2900, 38.2340



2.4250, 1.1759, 3.4642

Previews

White Background



This preview shows how the XYZ color 72.9083, 84.6107, 78.1345 looks on a white background.

Color Contrast Check

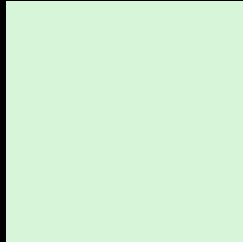
Large Text (above 18pt) WCAG AA × Fail

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 72.9083, 84.6107, 78.1345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

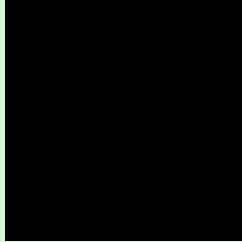
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

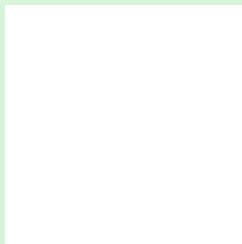
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9083, 84.6107, 78.1345

Background



This preview shows how black text looks on a background with the XYZ color 72.9083, 84.6107, 78.1345.



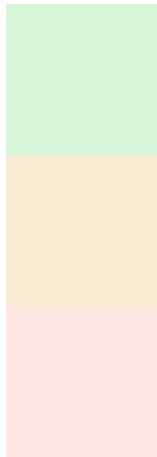
This preview shows how white text looks on a background with the XYZ color 72.9083, 84.6107,

78.1345.

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

72.9083, 84.6107, 78.1345

Protanopia

79.8852, 84.3372, 74.3557

Deuteranopia

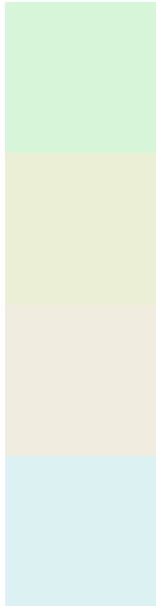
83.6810, 83.9579, 84.4681



Tritanopia

79.3479, 84.6410, 106.7630

Trichromacy



Original Color

72.9083, 84.6107, 78.1345

Protanomaly

76.9358, 84.0805, 75.7925

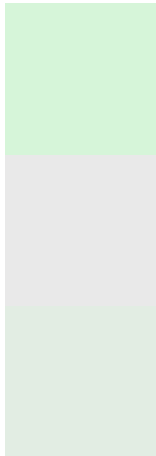
Deuteranomaly

79.2499, 83.8439, 81.8186

Tritanomaly

76.8477, 84.4771, 95.4745

Monochromacy



Original Color

72.9083, 84.6107, 78.1345

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

75.5133, 82.2832, 84.5753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9083, 84.6107, 78.1345 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, 245, 217) looks like.

```
.text, #text, p{  
    color:rgb(214, 245, 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(214, 245, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 245, 217) }
```

Border

The CSS property to change the border of an element to XYZ 72.9083, 84.6107, 78.1345 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, 245, 217) }
```


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

```
.border{ border-color:rgb(214, 245, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 245, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 245, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 245, 217);  
box-shadow:4px 4px 4px 4px rgb(214, 245,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9083, 84.6107, 78.1345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 245, 217) }
```

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

```
.background{ background-color: rgb(214,  
245, 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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