

Converting Colors

XYZ(74.8011, 82.0920, 87.3873)

Have a look what the booklet for
XYZ(74.8011, 82.0920, 87.3873)
contains.

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Color

**XYZ(74.8171, 82.2907,
87.5417)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEEE7
RGB	221, 238, 231
RGB Percent	87%, 93%, 91%
CMY	0.1333, 0.0666, 0.0941
CMYK	0.07, 0.00, 0.03, 0.07
HSL	155°, 33%, 90%
HSV	155°, 7%, 93%
XYZ	74.8171, 82.2907, 87.5417
YIQ	232.1190, -7.8850, -5.7810

Conversions

Conversions Part 2

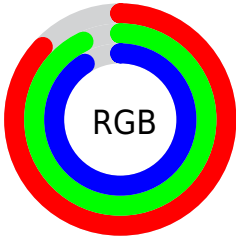
Format	Color
R _Y B	221, 232, 238
Decimal	14544615
CIE Lab	92.70, -6.89, 1.45
CIE LCh	93, 7.036, 168.134
Yxy	82.2907, 0.3058, 0.3364
Android (android.graphics.Color)	4292734695 (0xFFDDEEE7)
YUV	232.1190, -0.5517, -9.7514
Hunter-Lab	90.7142, -11.5309, 6.2835

Details

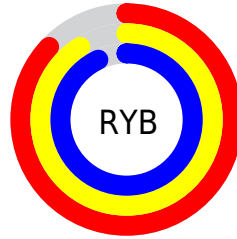
The XYZ color **74.8171, 82.2907, 87.5417** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.1229, 75.4936, 84.0150**, and the grayscale version is **76.8010, 80.8006, 87.9919**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1917, 44.6580, 47.0590** is the 20% darker color. If you saturate the color by 10%, you get **66.7324, 78.2807, 80.1379**, and if you desaturate by 10%, it is **84.0113, 86.8683, 95.4057**.

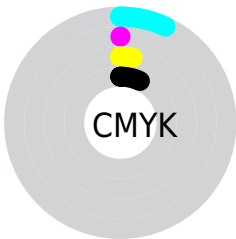
Distribution



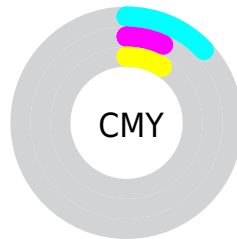
- Red (87%)
- Green (93%)
- Blue (91%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8171, 82.2907, 87.5417 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 74.8171, 82.2907, 87.5417 by changing the saturation by 10% instead.

74.8171, 82.2907,
87.5417

74.8171, 82.2907,
87.5417

466.2956,
502.6196, 540.3636

55.7567, 61.6052,
65.3814

125.0427,
136.5816, 145.8245

40.2441, 44.7138,
47.3171

156.9387,
170.9557, 182.7840

27.9140, 31.2320,
32.9303

193.8438,
210.6616, 225.5137

18.4010, 20.7756,
21.8024

236.1236,
256.0835, 274.4321

11.3397, 12.9601,
13.5148

284.1433,
307.6058, 329.9578

6.3648, 7.4011,
7.6491

338.2683,

3.1109, 3.7142,

365.6130, 392.5092

3.7867

398.8639,
430.4895, 462.5050

■ 1.2127, 1.5150,
1.5091

■ 0.1163, 0.2992,
0.2247

■ 74.8171, 82.2907,
87.5417

■ 74.8171, 82.2907,
87.5417

■ 66.7324, 78.2807,
80.1379

■ 84.0113, 86.8683,
95.4057

■ 59.7059, 74.8051,
73.1801

■ 89.1669, 89.3525,
103.4904

■ 53.6927, 71.8433,
66.6614

■ 89.8661, 89.6322,
107.1720

■ 48.6418, 69.3690,
60.5725

■ 44.4975, 67.3537,
54.9035

■ 41.1982, 65.7658,
49.6444

■ 38.6742, 64.5696,
44.7843

■ 36.8439, 63.7232,
40.3117

■ 35.6019, 63.1723,
36.2135

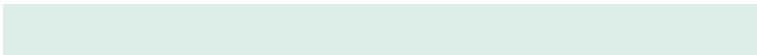
Harmonies

Analogous

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



75.6201, 82.2907, 83.0334



74.8171, 82.2907, 87.5417



74.9140, 82.2907, 92.7782

Triad

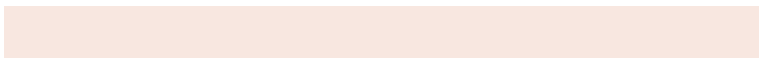
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8171, 82.2907, 87.5417



79.3166, 82.2907, 99.5364



80.5900, 82.2907, 82.2939

Complementary

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



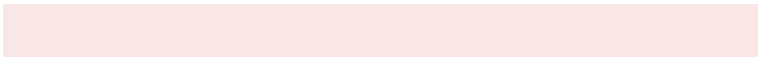
74.8171, 82.2907, 87.5417



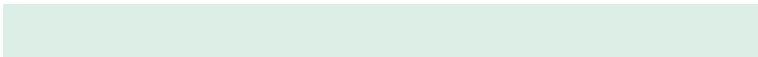
75.1229, 75.4936, 84.0150

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.



81.6113, 82.2907, 86.4964



74.8171, 82.2907, 87.5417



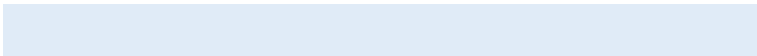
80.8683, 82.2907, 96.5052

Square

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



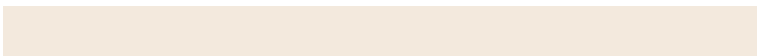
74.8171, 82.2907, 87.5417



77.4926, 82.2907, 99.8431



81.7139, 82.2907, 91.6915



78.9416, 82.2907, 80.0837

Rectangle

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



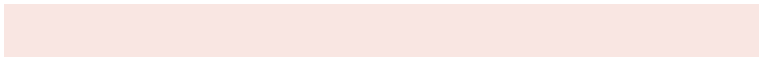
74.8171, 82.2907, 87.5417



75.4760, 82.2907, 95.9774



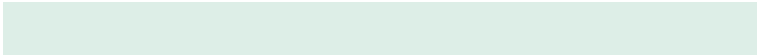
81.7139, 82.2907, 91.6915



81.0191, 82.2907, 83.5127

Sweetspot

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



74.8194, 82.2942, 87.5435



92.8621, 98.9110, 107.0418



75.6498, 82.8808, 80.4182



19.8992, 21.1824, 22.9310



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.



74.8194, 82.2942, 87.5435



85.6200, 95.3102, 100.7088



75.4178, 81.8760, 92.7217



15.9559, 17.8124, 18.7907



19.7631, 35.1972, 19.9331



1.6934, 2.9478, 1.9181

Inverse Universe

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



75.1229, 75.4936, 84.0150



86.0631, 85.3824, 95.5579



74.5457, 75.8638, 79.1220



16.0427, 15.8668, 17.7813



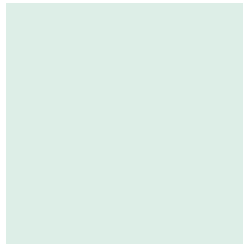
20.9629, 10.6576, 7.7212



1.7922, 0.9059, 0.8966

Previews

White Background



This preview shows how the XYZ color 74.8171, 82.2907, 87.5417 looks on a white background.

Color Contrast Check

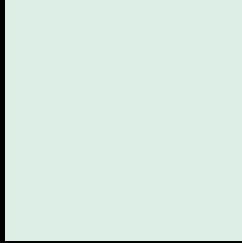
Large Text (above 18pt) WCAG AA × Fail

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 74.8171, 82.2907, 87.5417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

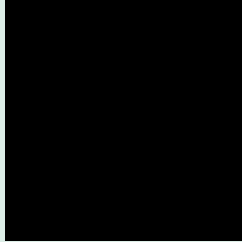
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

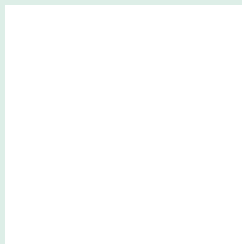
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.8171, 82.2907, 87.5417

Background



This preview shows how black text looks on a background with the XYZ color 74.8171, 82.2907, 87.5417.



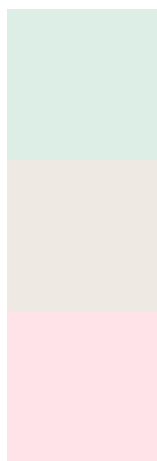
This preview shows how white text looks on a background with the XYZ color 74.8171, 82.2907,

87.5417.

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

74.8171, 82.2907, 87.5417

Protanopia

78.7391, 82.2300, 85.1208

Deuteranopia

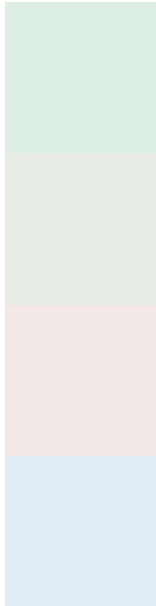
83.4171, 82.0814, 88.5375



Tritanopia

78.4893, 82.5161, 104.7189

Trichromacy



Original Color

74.8171, 82.2907, 87.5417

Protanomaly

77.1299, 82.2296, 85.9355

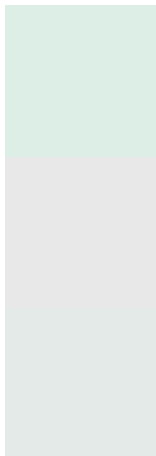
Deuteranomaly

80.1036, 82.0327, 87.9559

Tritanomaly

77.2174, 82.4308, 98.2271

Monochromacy



Original Color

74.8171, 82.2907, 87.5417

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.9832, 81.1658, 88.0058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8171, 82.2907, 87.5417 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(221, 238, 231) looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 231)  
}
```

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(221, 238, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 231) }
```

Border

The CSS property to change the border of an element to XYZ 74.8171, 82.2907, 87.5417 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(221, 238, 231) }
```


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

```
.border{ border-color:rgb(221, 238, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 231);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8171, 82.2907, 87.5417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 231) }
```

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

```
.background{ background-color: rgb(221,  
238, 231) }
```

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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