

Converting Colors

XYZ(75.0220, 82.5677, 88.6880)

Have a look what the booklet for XYZ(75.0220, 82.5677, 88.6880) contains.

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Color

**XYZ(74.9588, 82.3474,
88.2878)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEEE8
RGB	221, 238, 232
RGB Percent	87%, 93%, 91%
CMY	0.1333, 0.0666, 0.0902
CMYK	0.07, 0.00, 0.03, 0.07
HSL	159°, 33%, 90%
HSV	159°, 7%, 93%
XYZ	74.9588, 82.3474, 88.2878
YIQ	232.2330, -8.2060, -5.4700

Conversions

Conversions Part 2

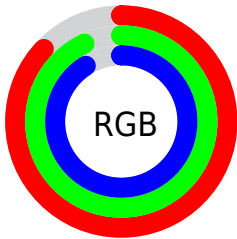
Format	Color
R _Y B	221, 231, 238
Decimal	14544616
CIE Lab	92.73, -6.70, 0.96
CIE LCh	93, 6.771, 171.824
Yxy	82.3474, 0.3052, 0.3353
Android (android.graphics.Color)	4292734696 (0xFFDDEEE8)
YUV	232.2330, -0.1149, -9.8513
Hunter-Lab	90.7455, -11.3576, 5.8376

Details

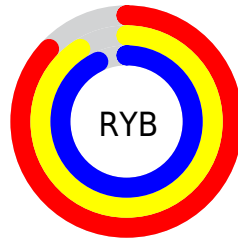
The XYZ color **74.9588, 82.3474, 88.2878** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9845, 75.4382, 83.2859**, and the grayscale version is **76.8834, 80.8873, 88.0863**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2903, 44.6975, 47.5782** is the 20% darker color. If you saturate the color by 10%, you get **67.0549, 78.4097, 81.8360**, and if you desaturate by 10%, it is **83.9518, 86.8445, 95.0920**.

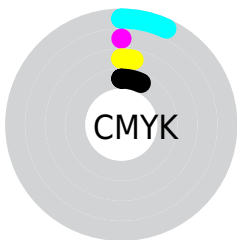
Distribution



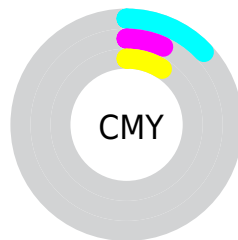
- Red (87%)
- Green (93%)
- Blue (91%)



- 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 74.9588, 82.3474, 88.2878 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 74.9588, 82.3474, 88.2878 by changing the saturation by 10% instead.

74.9588, 82.3474,
88.2878

74.9588, 82.3474,
88.2878

466.7753,
502.8090, 542.8710

55.8732, 61.6519,
65.9958

125.2423,
136.6611, 146.8724

40.3379, 44.7515,
47.8125

157.1708,
171.0481, 184.0021

27.9875, 31.2617,
33.3195

194.1111,
210.7677, 226.9147

18.4566, 20.7982,
22.0982

236.4284,
256.2043, 276.0288

11.3800, 12.9766,
13.7301

284.4881,
307.7424, 331.7630

6.3922, 7.4124,
7.7966

338.6556,

3.1279, 3.7213,

365.7662, 394.5357

3.8791

399.2962,
430.6603, 464.7655

■ 1.2218, 1.5189,
1.5593

■ 0.1234, 0.3020,
0.2615

■ 74.9588, 82.3474,
88.2878

■ 74.9588, 82.3474,
88.2878

■ 67.0549, 78.4097,
81.8360

■ 83.9518, 86.8445,
95.0920


■ 60.1892, 74.9985,
75.7250

■ 88.8852, 89.2398,
102.0065

■ 54.3172, 72.0931,
69.9502


■ 89.8661, 89.6322,
107.1720

■ 49.3886, 69.6677,
64.5049

 45.3480, 67.6939,
59.3822

 42.1345, 66.1404,
54.5746

 39.6788, 64.9715,
50.0744

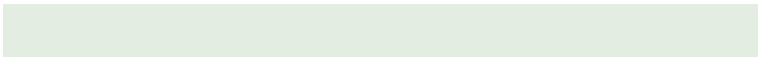
 37.9000, 64.1456,
45.8731

 36.6933, 63.6089,
41.9608

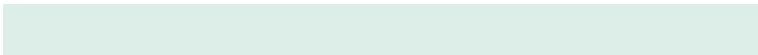
Harmonies

Analogous

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



75.6322, 82.3474, 83.7907



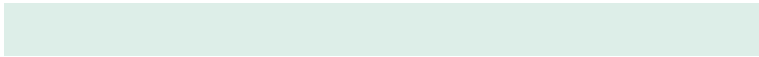
74.9588, 82.3474, 88.2878



75.1617, 82.3474, 93.3227

Triad

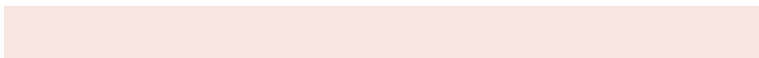
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9588, 82.3474, 88.2878



79.5366, 82.3474, 98.9868



80.3842, 82.3474, 82.2400

Complementary

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



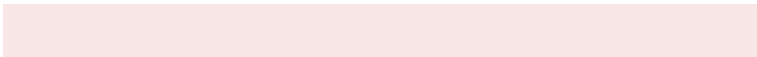
74.9588, 82.3474, 88.2878



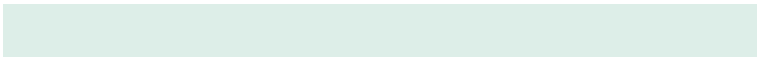
74.9845, 75.4382, 83.2859

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.



81.4602, 82.3474, 86.0990



74.9588, 82.3474, 88.2878



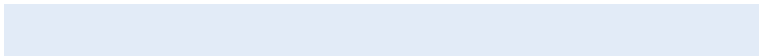
80.9658, 82.3474, 95.8020

Square

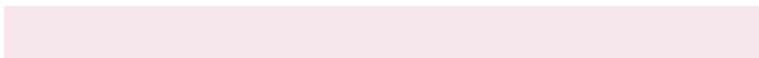
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



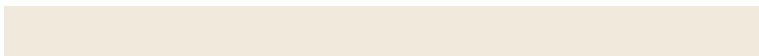
74.9588, 82.3474, 88.2878



77.7873, 82.3474, 99.6265



81.6747, 82.3474, 91.0510



78.7521, 82.3474, 80.3857

Rectangle

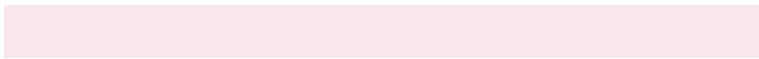
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



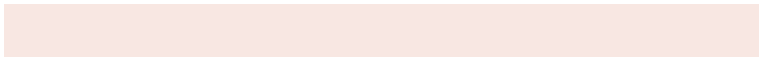
74.9588, 82.3474, 88.2878



75.7680, 82.3474, 96.2980



81.6747, 82.3474, 91.0510



80.8239, 82.3474, 83.3387

Sweetspot

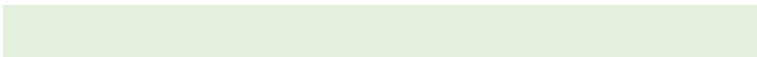
The Sweet Spot groups the original color and five complimentary colors.



74.9611, 82.3509, 88.2896



92.9099, 98.9301, 107.2936



75.3806, 82.7421, 80.4056



19.9090, 21.1863, 22.9822



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.



74.9611, 82.3509, 88.2896



85.8275, 95.3932, 101.8013



75.1728, 81.3860, 92.6401



15.9966, 17.8287, 19.0050



20.3737, 35.4415, 23.1488



1.7419, 2.9672, 2.1735

Inverse Universe

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



74.9845, 75.4382, 83.2859



85.8616, 85.3018, 94.4970



74.7726, 76.3178, 79.1977



16.0033, 15.8510, 17.5736



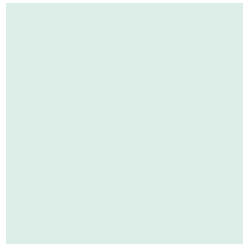
20.6206, 10.5207, 5.9185



1.7610, 0.8935, 0.7325

Previews

White Background



This preview shows how the XYZ color 74.9588, 82.3474, 88.2878 looks on a white background.

Color Contrast Check

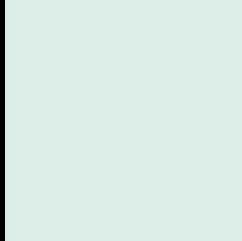
Large Text (above 18pt) WCAG AA × Fail

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 74.9588, 82.3474, 88.2878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

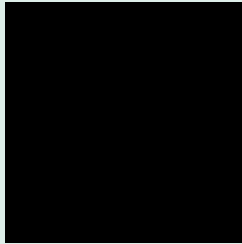
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

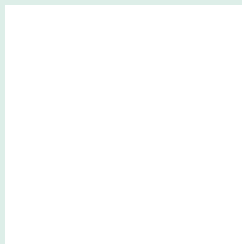
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.9588, 82.3474, 88.2878

Background



This preview shows how black text looks on a background with the XYZ color 74.9588, 82.3474, 88.2878.

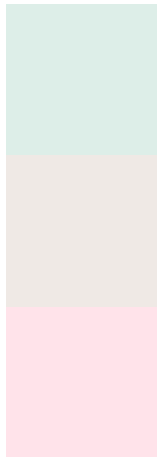


This preview shows how white text looks on a background with the XYZ color 74.9588, 82.3474,

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

74.9588, 82.3474, 88.2878

Protanopia

78.8784, 82.2857, 85.8541

Deuteranopia

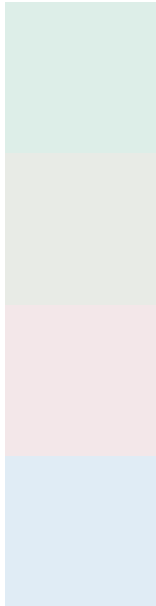
83.5604, 82.1387, 89.2921



Tritanopia

78.4893, 82.5161, 104.7189

Trichromacy



Original Color

74.9588, 82.3474, 88.2878

Protanomaly

77.2700, 82.2856, 86.6731

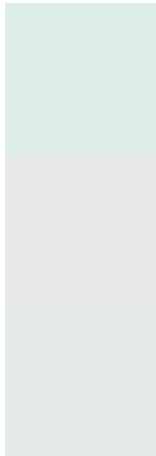
Deuteranomaly

80.2460, 82.0897, 88.7063

Tritanomaly

77.2174, 82.4308, 98.2271

Monochromacy



Original Color

74.9588, 82.3474, 88.2878

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 74.9588, 82.3474, 88.2878 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, 232) looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 232) }
```

Border

The CSS property to change the border of an element to XYZ 74.9588, 82.3474, 88.2878 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, 232) }
```


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

```
.border{ border-color:rgb(221, 238, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 232);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9588, 82.3474, 88.2878 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, 232) }
```

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

```
.background{ background-color: rgb(221,  
238, 232) }
```

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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