

Converting Colors

XYZ(72.0739, 78.3884, 87.7146)

Have a look what the booklet for
XYZ(72.0739, 78.3884, 87.7146)
contains.

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Color

**XYZ(72.0374, 78.2911,
87.6589)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E8E8
RGB	217, 232, 232
RGB Percent	85%, 91%, 91%
CMY	0.1490, 0.0902, 0.0902
CMYK	0.06, 0.00, 0.00, 0.09
HSL	180°, 25%, 88%
HSV	180°, 6%, 91%
XYZ	72.0374, 78.2911, 87.6589
YIQ	227.5150, -8.9400, -3.1800

Conversions

Conversions Part 2

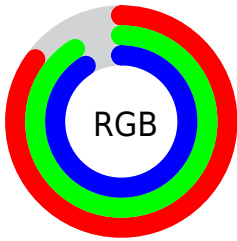
Format	Color
R _Y B	217, 225, 232
Decimal	14280936
CIE Lab	90.91, -4.96, -1.72
CIE LCh	91, 5.249, 199.167
Yxy	78.2911, 0.3027, 0.3290
Android (android.graphics.Color)	4292471016 (0xFFD9E8E8)
YUV	227.5150, 2.2111, -9.2217
Hunter-Lab	88.4823, -9.5190, 3.1993

Details

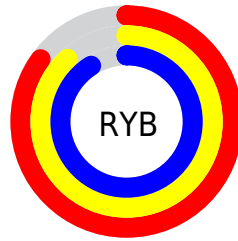
The XYZ color **72.0374, 78.2911, 87.6589** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6188, 71.7934, 75.7848**, and the grayscale version is **73.3796, 77.2010, 84.0719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2621, 41.8666, 47.1387** is the 20% darker color. If you saturate the color by 10%, you get **65.6202, 74.9852, 87.3563**, and if you desaturate by 10%, it is **79.4285, 82.1034, 88.0103**.

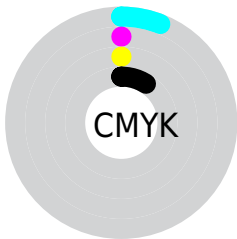
Distribution



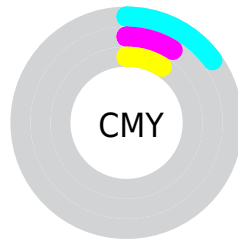
- Red (85%)
- Green (91%)
- Blue (91%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0374, 78.2911, 87.6589 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 72.0374, 78.2911, 87.6589 by changing the saturation by 10% instead.

■ 72.0374, 78.2911,
87.6589

■ 72.0374, 78.2911,
87.6589

456.8274,
489.1549, 540.7579

■ 53.4748, 58.3131,
65.4779

121.1202,
130.9604, 145.9891

■ 38.4109, 42.0604,
47.3949

152.3711,
164.4205, 182.9754

■ 26.4804, 29.1486,
32.9914

188.5822,
203.1435, 225.7339

■ 17.3180, 19.1933,
21.8488

230.1188,
247.5137, 274.6831

■ 10.5582, 11.8100,
13.5486

277.3463,
297.9156, 330.2416

■ 5.8357, 6.6145,
7.6722

330.6299,

■ 2.7851, 3.2222,

354.7334, 392.8278

3.8012

390.3352,
418.3518, 462.8604

■ 1.0412, 1.2488,
1.5169

■ 0.0000, 0.1010,
0.2305

■ 72.0374, 78.2911,
87.6589

■ 72.0374, 78.2911,
87.6589

■ 65.6202, 74.9852,
87.3563

■ 79.4285, 82.1034,
88.0103

■ 60.1301, 72.1550,
87.0954


■ 84.6653, 84.8030,
88.2594


■ 55.5261, 69.7816,
86.8760


■ 84.6660, 84.8033,
88.2633

■ 51.7619, 67.8412,
86.6959


■ 84.6668, 84.8036,
88.2673


 48.7868, 66.3076,
86.5528


 84.6675, 84.8039,
88.2712


 46.5447, 65.1518,
86.4439


 84.6683, 84.8042,
88.2752


 44.9721, 64.3412,
86.3664

 84.6691, 84.8045,
88.2792

 43.9949, 63.8375,
86.3167

 84.6698, 84.8048,
88.2831

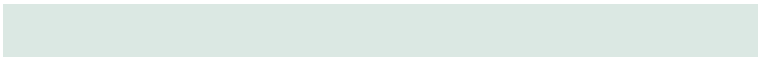
 43.5196, 63.5926,
86.2906

 84.6706, 84.8051,
88.2871

Harmonies

Analogous

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



71.9439, 78.2911, 83.8844



72.0374, 78.2911, 87.6589



72.7632, 78.2911, 90.8749

Triad

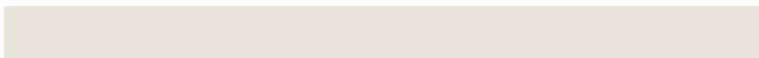
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0374, 78.2911, 87.6589



76.3538, 78.2911, 90.0962



74.8923, 78.2911, 78.2917

Complementary

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



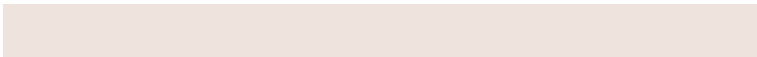
72.0374, 78.2911, 87.6589



70.6188, 71.7934, 75.7848

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.



76.0883, 78.2911, 79.8539



72.0374, 78.2911, 87.6589



76.9387, 78.2911, 86.6217

Square

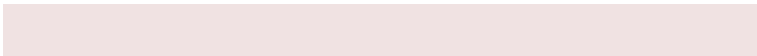
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0374, 78.2911, 87.6589



75.2513, 78.2911, 92.3106



76.8410, 78.2911, 82.8772



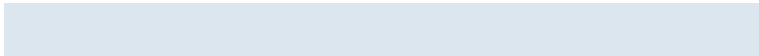
73.5817, 78.2911, 78.5508

Rectangle

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



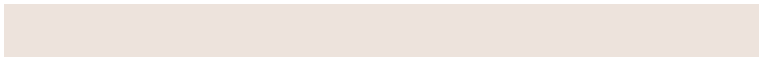
72.0374, 78.2911, 87.6589



73.5127, 78.2911, 92.2342



76.8410, 78.2911, 82.8772



75.3213, 78.2911, 78.6194

Sweetspot

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



72.0396, 78.2944, 87.6606



93.1983, 99.0454, 108.8124



70.0729, 77.5163, 76.9159



19.9677, 21.2098, 23.2912



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

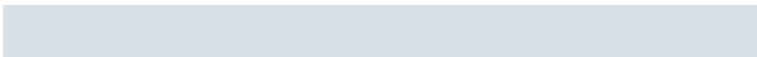
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0396, 78.2944, 87.6606



87.9383, 96.3339, 108.5633



70.0407, 74.2958, 86.9967



14.8074, 16.3364, 18.5163



24.1021, 35.2730, 47.8997



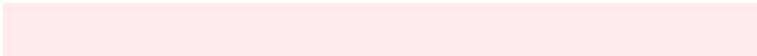
1.7811, 2.6066, 3.5399

Inverse Universe

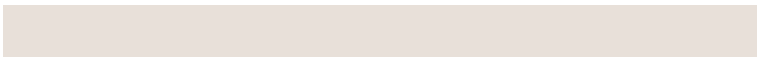
The Inverse Universe completely reimagines the original color for something new.



70.6188, 71.7934, 75.7848



85.7723, 86.4232, 90.4588



72.5288, 75.6142, 76.4193



14.3772, 14.3681, 14.9207



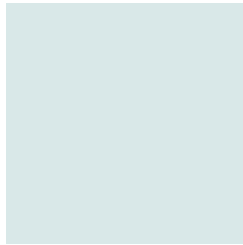
18.4753, 9.5243, 0.8658



1.3653, 0.7038, 0.0642

Previews

White Background



This preview shows how the XYZ color 72.0374, 78.2911, 87.6589 looks on a white background.

Color Contrast Check

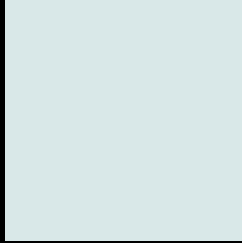
Large Text (above 18pt) WCAG AA × Fail

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 72.0374, 78.2911, 87.6589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

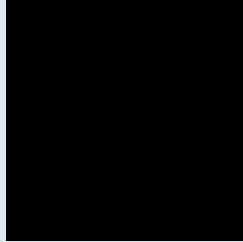
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

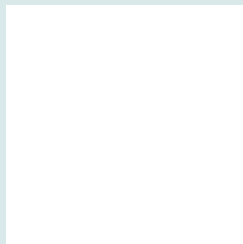
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0374, 78.2911, 87.6589

Background



This preview shows how black text looks on a background with the XYZ color 72.0374, 78.2911, 87.6589.



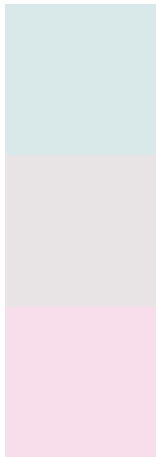
This preview shows how white text looks on a background with the XYZ color 72.0374, 78.2911,

87.6589.

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

72.0374, 78.2911, 87.6589

Protanopia

75.1650, 78.2998, 85.2805

Deuteranopia

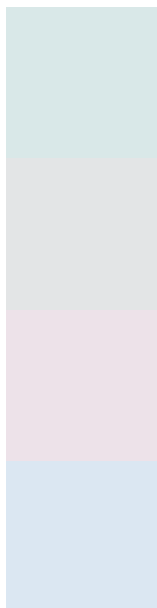
79.6840, 78.1395, 88.7245



Tritanopia

74.7553, 78.5866, 100.0356

Trichromacy



Original Color

72.0374, 78.2911, 87.6589

Protanomaly

73.9808, 78.0827, 86.0352

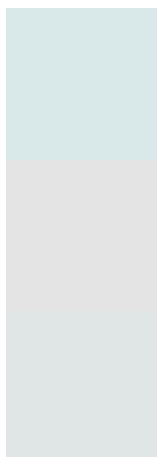
Deuteranomaly

76.8294, 78.2804, 88.1511

Tritanomaly

73.8163, 78.6227, 95.2896

Monochromacy



Original Color

72.0374, 78.2911, 87.6589

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.9026, 77.5431, 85.2537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0374, 78.2911, 87.6589 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(217, 232, 232) looks like.

```
.text, #text, p{  
    color:rgb(217, 232, 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(217, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 232, 232) }
```

Border

The CSS property to change the border of an element to XYZ 72.0374, 78.2911, 87.6589 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(217, 232, 232) }
```


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

```
.border{ border-color:rgb(217, 232, 232) }
```

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

Here you see how a box with a 4 pixel rgb(217, 232, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(217, 232,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0374, 78.2911, 87.6589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 232, 232) }
```

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

```
.background{ background-color: rgb(217,  
232, 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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