

Converting Colors

XYZ(72.8410, 80.1974, 85.5971)

Have a look what the booklet for
XYZ(72.8410, 80.1974, 85.5971)
contains.

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Color

**XYZ(72.7646, 79.9792,
85.7312)**

Conversions

Conversions Part 1

Format	Color
Hex	DAEBE5
RGB	218, 235, 229
RGB Percent	85%, 92%, 90%
CMY	0.1451, 0.0784, 0.1020
CMYK	0.07, 0.00, 0.03, 0.08
HSL	159°, 30%, 89%
HSV	159°, 7%, 92%
XYZ	72.7646, 79.9792, 85.7312
YIQ	229.2330, -8.2060, -5.4700

Conversions

Conversions Part 2

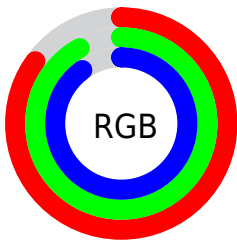
Format	Color
R _Y B	218, 228, 235
Decimal	14347237
CIE Lab	91.68, -6.72, 0.97
CIE LCh	92, 6.787, 171.815
Yxy	79.9792, 0.3051, 0.3354
Android (android.graphics.Color)	4292537317 (0xFFDAEBE5)
YUV	229.2330, -0.1149, -9.8513
Hunter-Lab	89.4311, -11.2699, 5.7647

Details

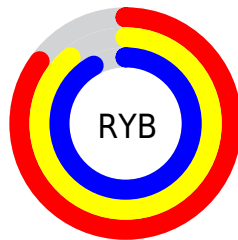
The XYZ color **72.7646, 79.9792, 85.7312** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.7898, 73.1888, 80.8151**, and the grayscale version is **74.6547, 78.5425, 85.5328**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8643, 43.0827, 46.3118** is the 20% darker color. If you saturate the color by 10%, you get **65.0986, 76.1601, 79.4695**, and if you desaturate by 10%, it is **81.4869, 84.3409, 92.3347**.

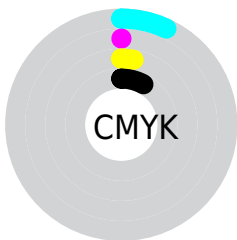
Distribution



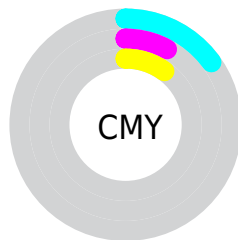
- Red (85%)
- Green (92%)
- Blue (90%)



- Red (85%)
- Yellow (89%)
- Blue (92%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (15%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7646, 79.9792, 85.7312 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 72.7646, 79.9792, 85.7312 by changing the saturation by 10% instead.

■ 72.7646, 79.9792,
85.7312

■ 72.7646, 79.9792,
85.7312

459.3150,
494.8627, 534.2520

■ 54.0712, 59.7012,
63.8921

122.1479,
133.3365, 143.2775

■ 38.8895, 43.1779,
46.1177

153.5685,
167.1846, 179.8219

■ 26.8541, 30.0247,
31.9893

189.9622,
206.3249, 222.1050

■ 17.5997, 19.8573,
21.0886

231.6944,
251.1417, 270.5455

■ 10.7609, 12.2914,
12.9969

279.1304,
302.0196, 325.5619

■ 5.9724, 6.9424,
7.2957

332.6356,

■ 2.8688, 3.4261,

359.3427, 387.5728

3.5665

392.5754,
423.4957, 456.9967

■ 1.0848, 1.3580,
1.3907

■ 0.0123, 0.1855,
0.1344

■ 72.7646, 79.9792,
85.7312

■ 72.7646, 79.9792,
85.7312

■ 65.0986, 76.1601,
79.4695

■ 81.4869, 84.3409,
92.3347

■ 58.4396, 72.8517,
73.5385

■ 87.5225, 87.3088,
99.1038

■ 52.7446, 70.0339,
67.9336

■ 88.8223, 87.8286,
105.9481

■ 47.9644, 67.6817,
62.6483

■ 88.9998, 87.8997,
106.8833

■ 44.0456, 65.7675,
57.6760

■ 40.9290, 64.2609,
53.0095

■ 38.5474, 63.1273,
48.6411

■ 36.8222, 62.3265,
44.5626

■ 35.6510, 61.8055,
40.7646

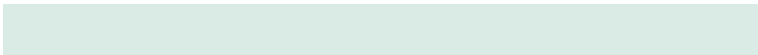
Harmonies

Analogous

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



73.4267, 79.9792, 81.3121



72.7646, 79.9792, 85.7312



72.9637, 79.9792, 90.6813

Triad

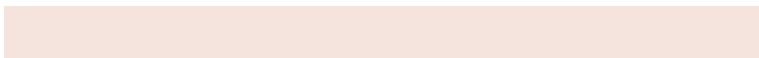
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7646, 79.9792, 85.7312



77.2638, 79.9792, 96.2546



78.0980, 79.9792, 79.7905

Complementary

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



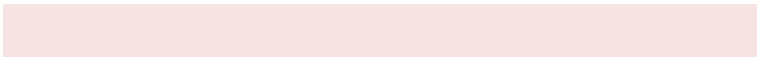
72.7646, 79.9792, 85.7312



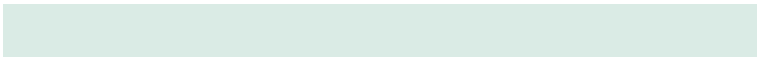
72.7898, 73.1888, 80.8151

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.



79.1560, 79.9792, 83.5826



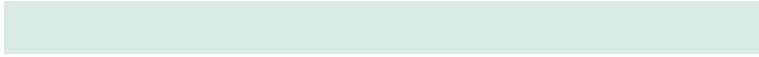
72.7646, 79.9792, 85.7312



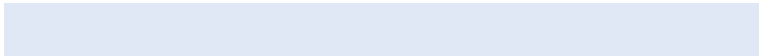
78.6693, 79.9792, 93.1222

Square

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



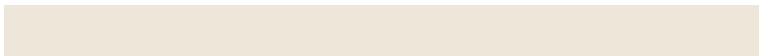
72.7646, 79.9792, 85.7312



75.5441, 79.9792, 96.8831



79.3666, 79.9792, 88.4505



76.4936, 79.9792, 77.9685

Rectangle

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



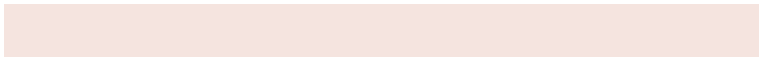
72.7646, 79.9792, 85.7312



73.5595, 79.9792, 93.6078



79.3666, 79.9792, 88.4505



78.5304, 79.9792, 80.8701

Sweetspot

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



72.7669, 79.9826, 85.7330



92.9099, 98.9301, 107.2936



73.1787, 80.3668, 77.9862



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.



72.7669, 79.9826, 85.7330



85.8275, 95.3932, 101.8015



72.9749, 79.0338, 90.0101



15.2787, 17.0263, 18.1507



19.7523, 34.3554, 22.4587



1.5964, 2.7159, 2.0025

Inverse Universe

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



72.7898, 73.1888, 80.8151



85.8616, 85.3018, 94.4968



72.5816, 74.0527, 76.7989



15.2851, 15.1419, 16.7867



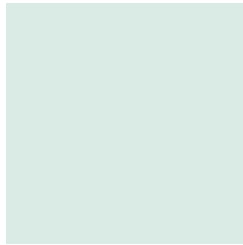
19.9910, 10.1991, 5.7541



1.6140, 0.8186, 0.6849

Previews

White Background



This preview shows how the XYZ color 72.7646, 79.9792, 85.7312 looks on a white background.

Color Contrast Check

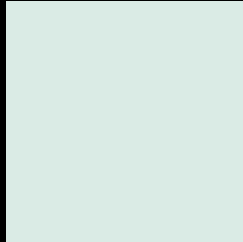
Large Text (above 18pt) WCAG AA × Fail

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 72.7646, 79.9792, 85.7312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

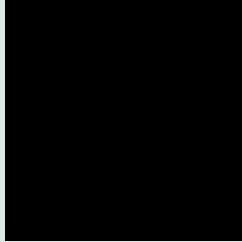
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

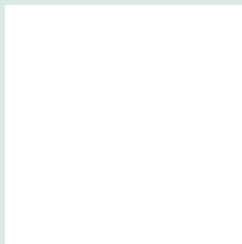
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7646, 79.9792, 85.7312

Background



This preview shows how black text looks on a background with the XYZ color 72.7646, 79.9792, 85.7312.

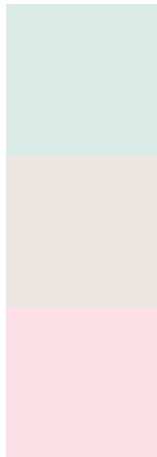


This preview shows how white text looks on a background with the XYZ color 72.7646, 79.9792,

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

72.7646, 79.9792, 85.7312

Protanopia

76.6164, 79.9175, 83.3390

Deuteranopia

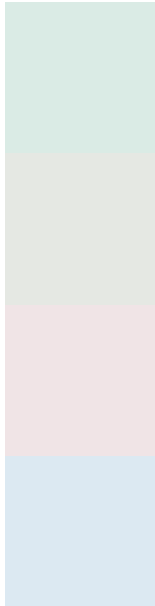
81.5875, 79.9635, 86.7357



Tritanopia

75.9307, 79.9875, 101.8796

Trichromacy



Original Color

72.7646, 79.9792, 85.7312

Protanomaly

75.0348, 79.9173, 84.1439

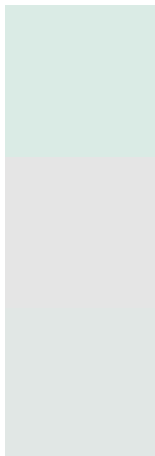
Deuteranomaly

77.9615, 79.7252, 86.1424

Tritanomaly

74.6811, 79.9043, 95.4914

Monochromacy



Original Color

72.7646, 79.9792, 85.7312

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.7701, 78.8165, 85.4538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7646, 79.9792, 85.7312 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(218, 235, 229) looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 229)  
}
```

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(218, 235, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 229) }
```

Border

The CSS property to change the border of an element to XYZ 72.7646, 79.9792, 85.7312 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(218, 235, 229) }
```


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

```
.border{ border-color:rgb(218, 235, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 235, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 235, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 235, 229);  
box-shadow:4px 4px 4px 4px rgb(218, 235,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7646, 79.9792, 85.7312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 229) }
```

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

```
.background{ background-color: rgb(218,  
235, 229) }
```

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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