

Converting Colors

XYZ(72.4506, 81.4309, 80.9279)

Have a look what the booklet for
XYZ(72.4506, 81.4309, 80.9279)
contains.

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Color

**XYZ(72.6666, 81.7586,
81.0583)**

Conversions

Conversions Part 1

Format	Color
Hex	D9EFDE
RGB	217, 239, 222
RGB Percent	85%, 94%, 87%
CMY	0.1490, 0.0627, 0.1294
CMYK	0.09, 0.00, 0.07, 0.06
HSL	134°, 41%, 89%
HSV	134°, 9%, 94%
XYZ	72.6666, 81.7586, 81.0583
YIQ	230.4840, -7.6550, -9.9510

Conversions

Conversions Part 2

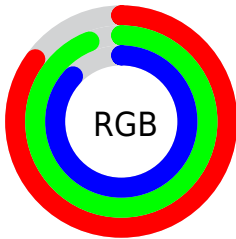
Format	Color
RYB	217, 235, 239
Decimal	14282718
CIELab	92.47, -10.34, 5.75
CIElCh	92, 11.832, 150.916
Yxy	81.7586, 0.3086, 0.3472
Android (android.graphics.Color)	4292472798 (0xFFD9EFDE)
YUV	230.4840, -4.1826, -11.8255
Hunter-Lab	90.4205, -14.7839, 10.1432

Details

The XYZ color **72.6666, 81.7586, 81.0583** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.2637, 73.9190, 88.1468**, and the grayscale version is **75.6083, 79.5459, 86.6254**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8088, 44.3384, 43.0719** is the 20% darker color. If you saturate the color by 10%, you get **63.7292, 77.4241, 68.4186**, and if you desaturate by 10%, it is **82.9086, 86.7390, 95.1781**.

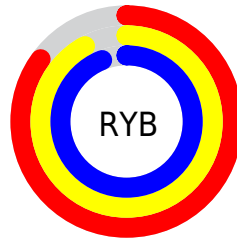
Distribution



Red (85%)

Green (94%)

Blue (87%)



Red (85%)

Yellow (92%)

Blue (94%)

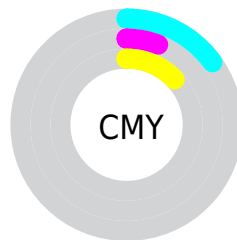


Cyan (9%)

Magenta (0%)

Yellow (7%)

Black (6%)



Cyan (15%)

Magenta (6%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6666, 81.7586, 81.0583 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 72.6666, 81.7586, 81.0583 by changing the saturation by 10% instead.

72.6666, 81.7586,
81.0583

72.6666, 81.7586,
81.0583

458.9802,
500.8399, 518.2928

53.9908, 61.1666,
60.0583

122.0095,
135.8354, 136.6774

38.8249, 44.3596,
43.0401

153.4073,
170.0890, 172.1337

26.8037, 30.9533,
29.5849

189.7764,
209.6652, 213.2458

17.5617, 20.5633,
19.2744

231.4823,
254.9485, 260.4322

10.7335, 12.8052,
11.6899

278.8903,
306.3232, 314.1116

5.9539, 7.2945,
6.4129

332.3657,

2.8575, 3.6470,

364.1737, 374.7025

3.0249

392.2738,
428.8845, 442.6234

■ 1.0788, 1.4781,
1.1074

■ 0.0073, 0.2732,
0.0000

■ 72.6666, 81.7586,
81.0583

■ 72.6666, 81.7586,
81.0583

■ 63.7292, 77.4241,
68.4186

■ 82.9086, 86.7390,
95.1781

■ 56.0369, 73.6988,
57.2057

■ 90.1580, 90.2161,
107.2693

■ 49.5356, 70.5581,
47.3709

■ 44.1645, 67.9720,
38.8608

■ 39.8573, 65.9074,
31.6186

■ 36.5407, 64.3278,
25.5832

■ 34.1318, 63.1918,
20.6885

■ 32.5333, 62.4508,
16.8618

■ 31.6002, 62.0317,
14.0207

Harmonies

Analogous

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



74.7172, 81.7586, 75.2984



72.6666, 81.7586, 81.0583



71.9583, 81.7586, 89.2916

Triad

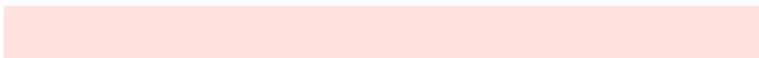
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6666, 81.7586, 81.0583



77.8035, 81.7586, 107.0061



82.8811, 81.7586, 80.6195

Complementary

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



72.6666, 81.7586, 81.0583



75.2637, 73.9190, 88.1468

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.



83.7584, 81.7586, 88.7513



72.6666, 81.7586, 81.0583



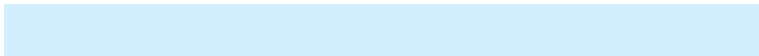
80.7798, 81.7586, 104.3175

Square

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



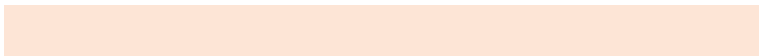
72.6666, 81.7586, 81.0583



74.8765, 81.7586, 104.6181



82.9796, 81.7586, 97.4893



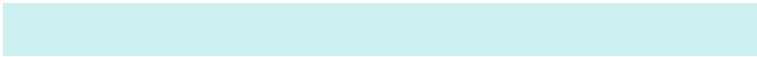
80.6122, 81.7586, 75.0571

Rectangle

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



72.6666, 81.7586, 81.0583



72.3275, 81.7586, 95.1903



82.9796, 81.7586, 97.4893



83.3512, 81.7586, 83.1246

Sweetspot

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



72.6689, 81.7621, 81.0601



91.3540, 98.2029, 103.8350



77.4025, 84.2786, 77.8347



19.3472, 20.9192, 21.9410



0.0000, 0.0000, 0.0000



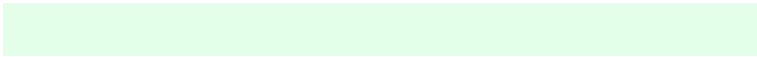
20.3446, 21.4041, 23.3091

Same Dimension

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



72.6689, 81.7621, 81.0601



82.1771, 93.7445, 91.0971



74.1591, 82.3582, 88.9074



15.7130, 17.7152, 17.5116



17.4705, 34.2802, 7.8604



1.4901, 2.8665, 0.8471

Inverse Universe

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



75.2637, 73.9190, 88.1468



85.7360, 82.9871, 100.8163



73.7628, 73.3187, 80.2432



16.2916, 15.9664, 19.0918



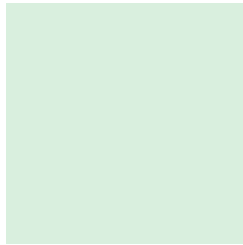
24.5449, 12.0904, 26.5835



2.0790, 1.0206, 2.4069

Previews

White Background



This preview shows how the XYZ color 72.6666, 81.7586, 81.0583 looks on a white background.

Color Contrast Check

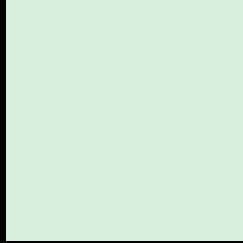
Large Text (above 18pt) WCAG AA × Fail

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 72.6666, 81.7586, 81.0583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

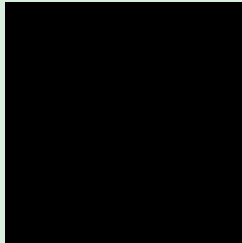
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

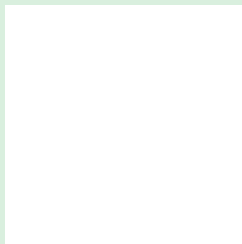
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6666, 81.7586, 81.0583

Background



This preview shows how black text looks on a background with the XYZ color 72.6666, 81.7586, 81.0583.

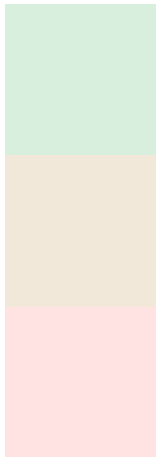


This preview shows how white text looks on a background with the XYZ color 72.6666, 81.7586,

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
Protanopia
Deuteranopia

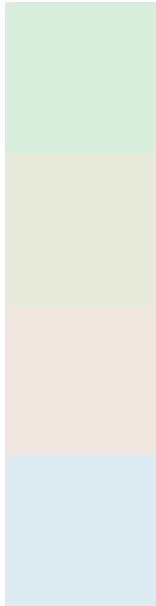
72.6666, 81.7586, 81.0583
77.7871, 81.4760, 77.9563
82.1638, 81.1437, 83.2833



Tritanopia

77.2766, 81.4671, 104.5803

Trichromacy



Original Color

72.6666, 81.7586, 81.0583

Protanomaly

75.7732, 81.6869, 78.7913

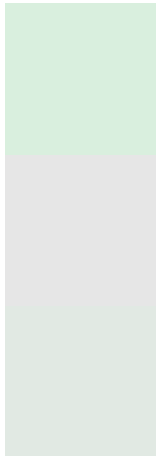
Deuteranomaly

78.4421, 81.2888, 82.7901

Tritanomaly

75.5377, 81.6174, 95.7769

Monochromacy



Original Color

72.6666, 81.7586, 81.0583

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.0554, 79.8314, 84.1789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6666, 81.7586, 81.0583 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, 239, 222)` looks like.

```
.text, #text, p{  
    color:rgb(217, 239, 222)  
}
```

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, 239, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 239, 222) }
```

Border

The CSS property to change the border of an element to XYZ 72.6666, 81.7586, 81.0583 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, 239, 222) }
```


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

```
.border{ border-color:rgb(217, 239, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 239, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 239, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 239, 222);  
box-shadow:4px 4px 4px 4px rgb(217, 239,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6666, 81.7586, 81.0583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 239, 222) }
```

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

```
.background{ background-color: rgb(217,  
239, 222) }
```

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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