

Converting Colors

XYZ(72.7607, 80.0432, 81.5950)

Have a look what the booklet for
XYZ(72.7607, 80.0432, 81.5950)
contains.

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Color

**XYZ(72.8464, 80.1165,
81.4367)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEBDF
RGB	221, 235, 223
RGB Percent	87%, 92%, 87%
CMY	0.1333, 0.0784, 0.1255
CMYK	0.06, 0.00, 0.05, 0.08
HSL	129°, 26%, 89%
HSV	129°, 6%, 92%
XYZ	72.8464, 80.1165, 81.4367
YIQ	229.4460, -4.4920, -6.7000

Conversions

Conversions Part 2

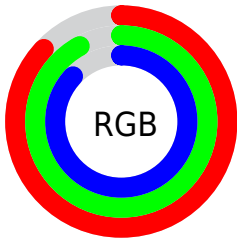
Format	Color
R _Y B	221, 233, 235
Decimal	14543839
CIE Lab	91.74, -6.81, 4.21
CIE LCh	92, 8.007, 148.287
Yxy	80.1165, 0.3108, 0.3418
Android (android.graphics.Color)	4292733919 (0xFFDDEBDF)
YUV	229.4460, -3.1779, -7.4071
Hunter-Lab	89.5078, -11.3655, 8.7118

Details

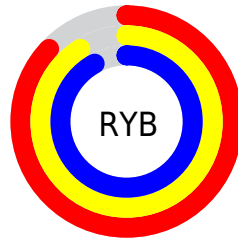
The XYZ color **72.8464, 80.1165, 81.4367** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.8283, 75.2603, 87.6774**, and the grayscale version is **74.8316, 78.7287, 85.7355**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9139, 43.1743, 43.3283** is the 20% darker color. If you saturate the color by 10%, you get **63.6298, 75.6628, 67.6620**, and if you desaturate by 10%, it is **83.3922, 85.2226, 96.9637**.

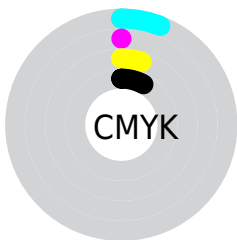
Distribution



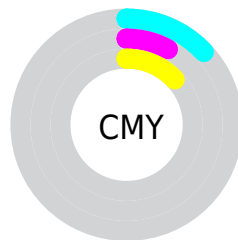
- Red (87%)
- Green (92%)
- Blue (87%)



- Red (87%)
- Yellow (91%)
- Blue (92%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8464, 80.1165, 81.4367 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 72.8464, 80.1165, 81.4367 by changing the saturation by 10% instead.

■ 72.8464, 80.1165,
81.4367

■ 72.8464, 80.1165,
81.4367

459.5943,
495.3254, 519.5954

■ 54.1383, 59.8142,
60.3682

122.2634,
133.5295, 137.2134

■ 38.9434, 43.2689,
43.2883

153.7031,
167.4090, 172.7586

■ 26.8962, 30.0962,
29.7783

190.1173,
206.5831, 213.9666

■ 17.6315, 19.9116,
19.4197

231.8715,
251.4361, 261.2558

■ 10.7838, 12.3308,
11.7941

279.3309,
302.3524, 315.0447

■ 5.9879, 6.9694,
6.4828

332.8609,

■ 2.8783, 3.4430,

359.7165, 375.7519

3.0673

392.8269,
423.9127, 443.7960

■ 1.0897, 1.3671,
1.1291

■ 0.0165, 0.1923,
0.0000

■ 72.8464, 80.1165,
81.4367

■ 72.8464, 80.1165,
81.4367

■ 63.6298, 75.6628,
67.6620

■ 83.3922, 85.2226,
96.9637

■ 55.6830, 71.8255,
55.5728

■ 88.9999, 87.8997,
106.8833

■ 48.9522, 68.5803,
45.1062

■ 43.3768, 65.8975,
36.1928

■ 38.8912, 63.7450,
28.7586

■ 35.4232, 62.0872,
22.7236

■ 32.8915, 60.8840,
18.0000

■ 31.2024, 60.0892,
14.4899

■ 30.2414, 59.6461,
12.0821

Harmonies

Analogous

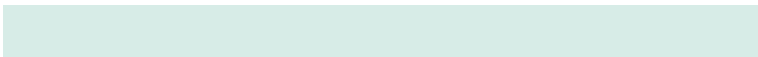
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2969, 80.1165, 77.6718



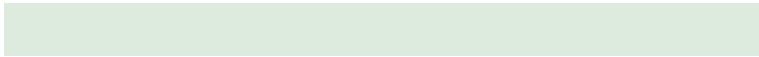
72.8464, 80.1165, 81.4367



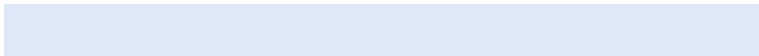
72.2786, 80.1165, 86.8965

Triad

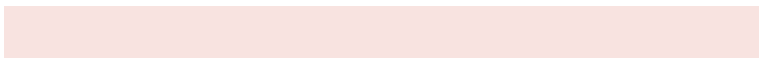
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8464, 80.1165, 81.4367



76.0307, 80.1165, 99.0019



79.6698, 80.1165, 81.9958

Complementary

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



72.8464, 80.1165, 81.4367



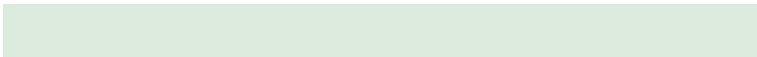
74.8283, 75.2603, 87.6774

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.



80.1538, 80.1165, 87.5709



72.8464, 80.1165, 81.4367



78.0303, 80.1165, 97.5488

Square

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



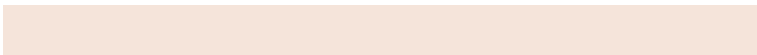
72.8464, 80.1165, 81.4367



74.0965, 80.1165, 97.1860



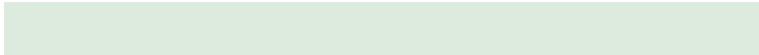
79.5486, 80.1165, 93.2985



78.2377, 80.1165, 77.9843

Rectangle

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



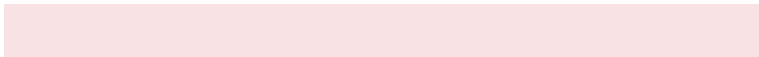
72.8464, 80.1165, 81.4367



72.4692, 80.1165, 90.8211



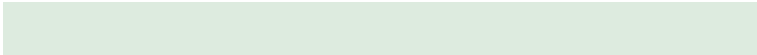
79.5486, 80.1165, 93.2985



79.9499, 80.1165, 83.7412

Sweetspot

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



72.8486, 80.1199, 81.4385



92.5026, 98.7671, 105.1486



76.4106, 81.9872, 80.2055



19.8260, 21.1531, 22.5455



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.



72.8486, 80.1199, 81.4385



86.4187, 95.8238, 96.1454



73.7939, 80.4980, 86.4160



15.3446, 17.0851, 17.0295



16.7189, 33.1420, 6.4850



1.3402, 2.6134, 0.6534

Inverse Universe

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



74.8283, 75.2603, 87.6774



89.2098, 88.9721, 104.9416



73.8657, 74.8752, 82.6088



15.8802, 15.7702, 18.7176



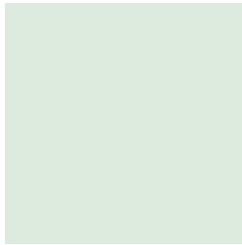
25.0001, 12.2027, 32.1314



1.9885, 0.9684, 2.6567

Previews

White Background



This preview shows how the XYZ color 72.8464, 80.1165, 81.4367 looks on a white background.

Color Contrast Check

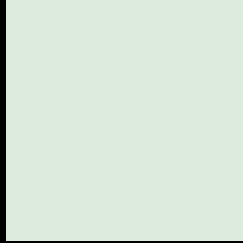
Large Text (above 18pt) WCAG AA × Fail

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 72.8464, 80.1165, 81.4367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

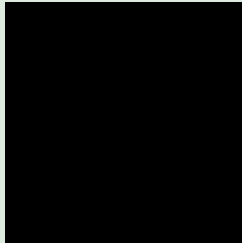
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

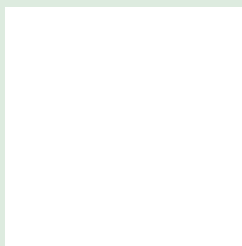
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8464, 80.1165, 81.4367

Background



This preview shows how black text looks on a background with the XYZ color 72.8464, 80.1165, 81.4367.



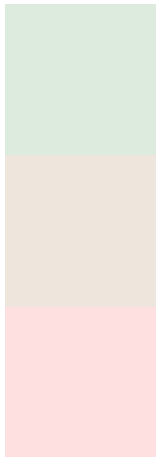
This preview shows how white text looks on a background with the XYZ color 72.8464, 80.1165,

81.4367.

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

72.8464, 80.1165, 81.4367

Protanopia

76.4750, 79.9381, 79.1091

Deuteranopia

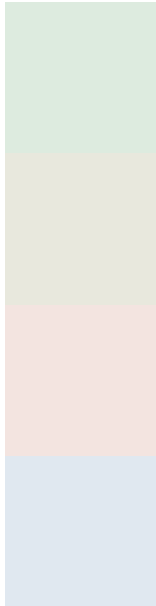
81.4863, 80.0076, 82.3824



Tritanopia

76.7261, 79.9989, 101.0200

Trichromacy



Original Color

72.8464, 80.1165, 81.4367

Protanomaly

75.1865, 80.0895, 79.9027

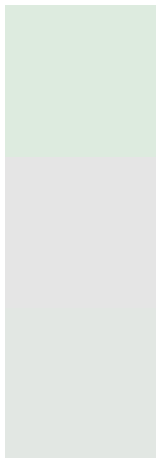
Deuteranomaly

78.1601, 79.9233, 81.8283

Tritanomaly

75.3253, 79.8518, 93.8809

Monochromacy



Original Color

72.8464, 80.1165, 81.4367

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.8051, 78.8666, 84.0059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8464, 80.1165, 81.4367 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, 235, 223) looks like.

```
.text, #text, p{  
    color:rgb(221, 235, 223)  
}
```

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, 235, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 235, 223) }
```

Border

The CSS property to change the border of an element to XYZ 72.8464, 80.1165, 81.4367 is called "border". The border property can be set on classes, ids or directly on the HTML element.

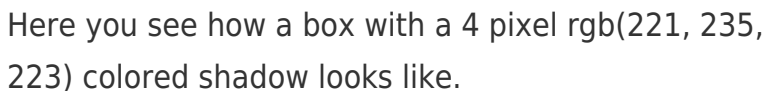
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 235, 223) }
```


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

```
.border{ border-color:rgb(221, 235, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(221, 235, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 235, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 235, 223); box-shadow:4px 4px 4px 4px rgb(221, 235, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8464, 80.1165, 81.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 235, 223) }
```

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

```
.background{ background-color: rgb(221,  
235, 223) }
```

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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