

Converting Colors

XYZ(71.1570, 80.1739, 81.2118)

Have a look what the booklet for
XYZ(71.1570, 80.1739, 81.2118)
contains.

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Color

**XYZ(71.0440, 80.0422,
81.5173)**

Conversions

Conversions Part 1

Format	Color
Hex	D5EDDF
RGB	213, 237, 223
RGB Percent	84%, 93%, 87%
CMY	0.1647, 0.0706, 0.1255
CMYK	0.10, 0.00, 0.06, 0.07
HSL	145°, 40%, 88%
HSV	145°, 10%, 93%
XYZ	71.0440, 80.0422, 81.5173
YIQ	228.2280, -9.8100, -9.4420

Conversions

Conversions Part 2

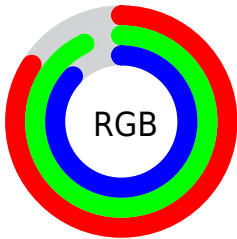
Format	Color
RYB	213, 230, 237
Decimal	14020063
CIELab	91.70, -10.47, 4.09
CIELCh	92, 11.244, 158.661
Yxy	80.0422, 0.3054, 0.3441
Android (android.graphics.Color)	4292210143 (0xFFD5EDDF)
YUV	228.2280, -2.5774, -13.3550
Hunter-Lab	89.4663, -14.8216, 8.6043

Details

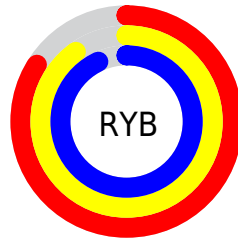
The XYZ color **71.0440, 80.0422, 81.5173** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5873, 71.1410, 82.5825**, and the grayscale version is **73.9349, 77.7853, 84.7082**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6923, 43.1440, 43.3868** is the 20% darker color. If you saturate the color by 10%, you get **62.8770, 76.0409, 71.7987**, and if you desaturate by 10%, it is **80.3723, 84.6291, 92.0883**.

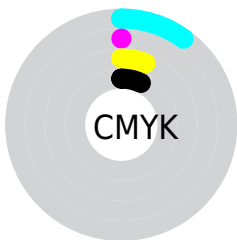
Distribution



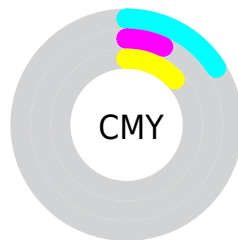
- Red (84%)
- Green (93%)
- Blue (87%)



- Red (84%)
- Yellow (90%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0440, 80.0422, 81.5173 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 71.0440, 80.0422, 81.5173 by changing the saturation by 10% instead.

71.0440, 80.0422,
81.5173

71.0440, 80.0422,
81.5173

453.4167,
495.0750, 519.8726

52.6608, 59.7531,
60.4342

119.7145,
133.4251, 137.3275

37.7584, 43.2196,
43.3412

150.7326,
167.2876, 172.8917

25.9716, 30.0575,
29.8195

186.6929,
206.4434, 214.1200

16.9350, 19.8822,
19.4507

227.9609,
251.2768, 261.4311

10.2832, 12.3095,
11.8163

274.9019,
302.1723, 315.2433

5.6508, 6.9548,
6.4977

327.8813,

2.6726, 3.4338,

359.5143, 375.9753

3.0764

387.2645,
423.6870, 444.0455

■ 0.9831, 1.3622,
1.1338

■ 0.0000, 0.1886,
0.0000

■ 71.0440, 80.0422,
81.5173

■ 71.0440, 80.0422,
81.5173

■ 62.8770, 76.0409,
71.7987

■ 80.3723, 84.6291,
92.0883

■ 55.8177, 72.5912,
62.9062

■ 88.8840, 88.7747,
103.4325

■ 49.8180, 69.6710,
54.8195

■ 89.5757, 89.0514,
107.0752

■ 44.8235, 67.2528,
47.5157

■ 40.7749, 65.3063,
40.9708

■ 37.6062, 63.7981,
35.1593

■ 35.2423, 62.6900,
30.0545

■ 33.5945, 61.9368,
25.6273

■ 32.5254, 61.4673,
21.8891

Harmonies

Analogous

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



72.6763, 80.0422, 75.3653



71.0440, 80.0422, 81.5173



70.7426, 80.0422, 89.5581

Triad

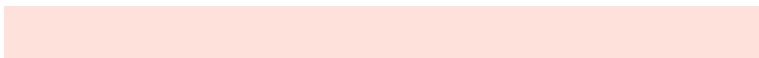
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.0440, 80.0422, 81.5173



76.9132, 80.0422, 103.7592



80.4765, 80.0422, 77.6316

Complementary

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



71.0440, 80.0422, 81.5173



72.5873, 71.1410, 82.5825

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.



81.6746, 80.0422, 84.7901



71.0440, 80.0422, 81.5173



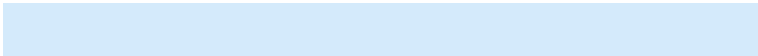
79.5836, 80.0422, 100.1085

Square

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



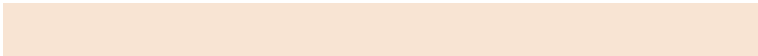
71.0440, 80.0422, 81.5173



74.0838, 80.0422, 102.7460



81.3437, 80.0422, 93.0413



78.1071, 80.0422, 73.2221

Rectangle

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



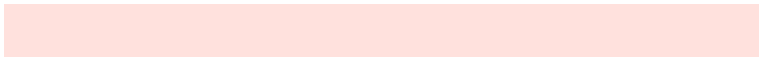
71.0440, 80.0422, 81.5173



71.3294, 80.0422, 94.9682



81.3437, 80.0422, 93.0413



81.0322, 80.0422, 79.7775

Sweetspot

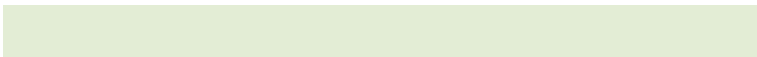
The Sweet Spot groups the original color and five complimentary colors.



71.0462, 80.0456, 81.5191



91.5810, 98.2937, 105.0304



74.1022, 81.7722, 74.8298



19.4083, 20.9436, 22.2628



0.0000, 0.0000, 0.0000



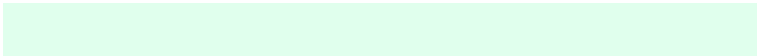
20.3446, 21.4041, 23.3091

Same Dimension

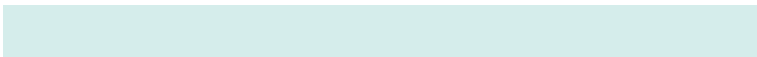
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0462, 80.0456, 81.5191



81.9323, 93.5544, 93.9739



72.6651, 80.6931, 90.0438



15.1286, 16.9663, 17.3601



17.8187, 33.5820, 12.2764



1.4461, 2.6558, 1.2112

Inverse Universe

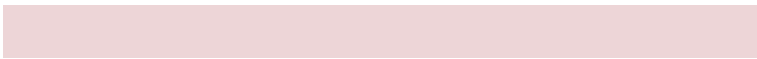
The Inverse Universe completely reimagines the original color for something new.



72.5873, 71.1410, 82.5825



84.0681, 81.2125, 95.4475



71.0389, 70.5217, 74.4290



15.4340, 15.2015, 17.5708



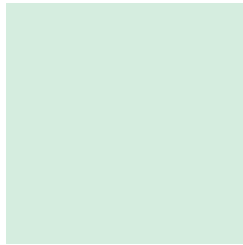
21.6497, 10.8626, 14.4886



1.7478, 0.8721, 1.3892

Previews

White Background



This preview shows how the XYZ color 71.0440, 80.0422, 81.5173 looks on a white background.

Color Contrast Check

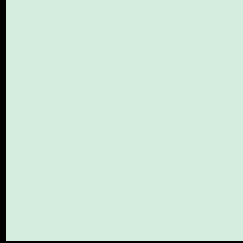
Large Text (above 18pt) WCAG AA × Fail

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 71.0440, 80.0422, 81.5173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

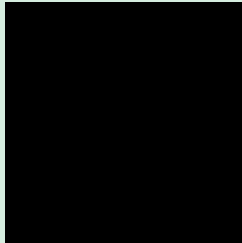
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

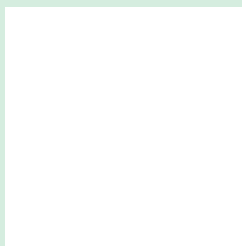
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0440, 80.0422, 81.5173

Background



This preview shows how black text looks on a background with the XYZ color 71.0440, 80.0422, 81.5173.

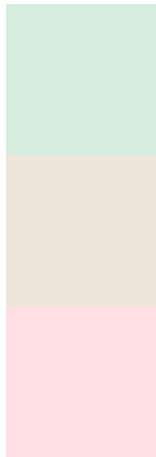


This preview shows how white text looks on a background with the XYZ color 71.0440, 80.0422,

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

71.0440, 80.0422, 81.5173

Protanopia

76.3429, 79.8852, 78.4135

Deuteranopia

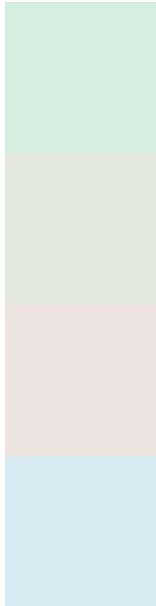
81.3551, 79.5263, 83.0137



Tritanopia

75.4649, 80.1483, 102.7595

Trichromacy



Original Color

71.0440, 80.0422, 81.5173

Protanomaly

74.3703, 80.1031, 79.2519

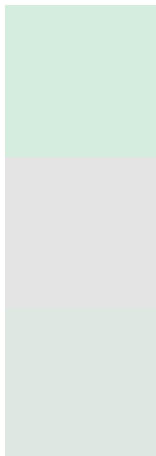
Deuteranomaly

77.2692, 79.4483, 82.4967

Tritanomaly

73.6189, 79.7954, 94.7410

Monochromacy



Original Color

71.0440, 80.0422, 81.5173

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.7348, 78.3308, 83.2373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0440, 80.0422, 81.5173 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(213, 237, 223)` looks like.

```
.text, #text, p{  
    color:rgb(213, 237, 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(213, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 237, 223) }
```

Border

The CSS property to change the border of an element to XYZ 71.0440, 80.0422, 81.5173 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(213, 237, 223) }
```


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

```
.border{ border-color:rgb(213, 237, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 237, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(213, 237,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0440, 80.0422, 81.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 237, 223) }
```

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

```
.background{ background-color: rgb(213,  
237, 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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