

Converting Colors

XYZ(70.7557, 80.0110, 79.1250)

Have a look what the booklet for
XYZ(70.7557, 80.0110, 79.1250)
contains.

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Color

**XYZ(70.6430, 79.8818,
79.4056)**

Conversions

Conversions Part 1

Format	Color
Hex	D5EDDC
RGB	213, 237, 220
RGB Percent	84%, 93%, 86%
CMY	0.1647, 0.0706, 0.1372
CMYK	0.10, 0.00, 0.07, 0.07
HSL	137°, 40%, 88%
HSV	137°, 10%, 93%
XYZ	70.6430, 79.8818, 79.4056
YIQ	227.8860, -8.8470, -10.3750

Conversions

Conversions Part 2

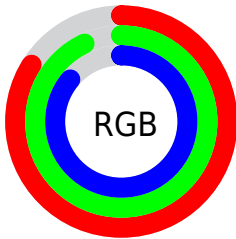
Format	Color
R _Y B	213, 232, 237
Decimal	14020060
CIE Lab	91.63, -11.02, 5.55
CIE LCh	92, 12.337, 153.268
Yxy	79.8818, 0.3072, 0.3474
Android (android.graphics.Color)	4292210140 (0xFFD5EDDC)
YUV	227.8860, -3.8878, -13.0550
Hunter-Lab	89.3766, -15.3232, 9.8881

Details

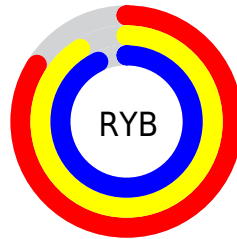
The XYZ color **70.6430, 79.8818, 79.4056** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0051, 71.3081, 84.7827**, and the grayscale version is **73.6935, 77.5313, 84.4316**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4160, 43.0335, 41.9316** is the 20% darker color. If you saturate the color by 10%, you get **62.1516, 75.7507, 67.9788**, and if you desaturate by 10%, it is **80.3668, 84.6269, 92.0592**.

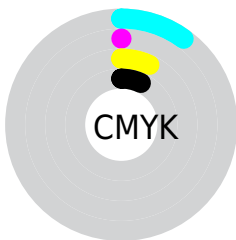
Distribution



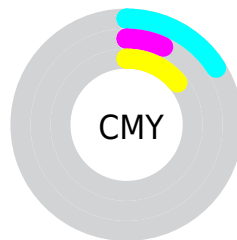
- Red (84%)
- Green (93%)
- Blue (86%)



- Red (84%)
- Yellow (91%)
- Blue (93%)



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



- Cyan (16%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6430, 79.8818, 79.4056 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 70.6430, 79.8818, 79.4056 by changing the saturation by 10% instead.

70.6430, 79.8818,
79.4056

70.6430, 79.8818,
79.4056

452.0358,
494.5344, 512.5812

52.3324, 59.6211,
58.7061

119.1465,
133.1995, 134.3335

37.4954, 43.1133,
41.9581

150.0702,
167.0254, 169.3990

25.7667, 29.9740,
28.7432

185.9289,
206.1417, 210.0903

16.7810, 19.8189,
18.6427

227.0880,
250.9329, 256.8258

10.1728, 12.2634,
11.2382

273.9129,
301.7833, 310.0241

5.5768, 6.9234,
6.1111

326.7689,

2.6277, 3.4142,

359.0775, 370.1037

2.8429

386.0214,
423.1997, 437.4833

■ 0.9601, 1.3516,
1.0150

■ 0.0000, 0.1807,
0.0000

■ 70.6430, 79.8818,
79.4056

■ 70.6430, 79.8818,
79.4056

■ 62.1516, 75.7507,
67.9788

■ 80.3668, 84.6269,
92.0592

■ 54.8361, 72.1986,
57.7368

■ 89.3478, 88.9603,
105.8749

■ 48.6452, 69.2019,
48.6432

■ 89.5757, 89.0514,
107.0752

■ 43.5212, 66.7318,
40.6575

■ 39.4012, 64.7568,
33.7369

■ 36.2155, 63.2418,
27.8359

■ 33.8847, 62.1470,
22.9055

■ 32.3156, 61.4253,
18.8923

■ 31.3636, 61.0026,
15.7712

Harmonies

Analogous

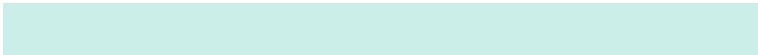
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6508, 79.8818, 73.2648



70.6430, 79.8818, 79.4056



70.0371, 79.8818, 87.9703

Triad

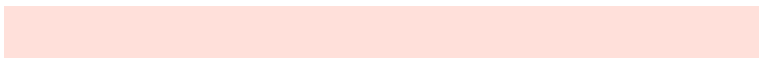
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6430, 79.8818, 79.4056



76.2710, 79.8818, 105.4716



81.1031, 79.8818, 77.8047

Complementary

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



70.6430, 79.8818, 79.4056



73.0051, 71.3081, 84.7827

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.



82.1345, 79.8818, 85.9926



70.6430, 79.8818, 79.4056



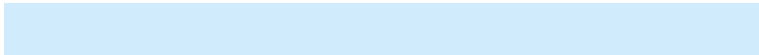
79.2966, 79.8818, 102.3031

Square

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



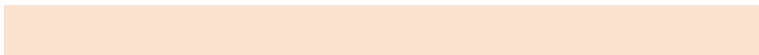
70.6430, 79.8818, 79.4056



73.2331, 79.8818, 103.4088



81.4645, 79.8818, 95.0165



78.6826, 79.8818, 72.3864

Rectangle

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



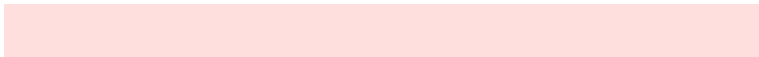
70.6430, 79.8818, 79.4056



70.4956, 79.8818, 94.0118



81.4645, 79.8818, 95.0165



81.6268, 79.8818, 80.3035

Sweetspot

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



70.6452, 79.8852, 79.4074



91.4310, 98.2337, 104.2405



74.9949, 82.2324, 74.8716



19.3679, 20.9274, 22.0500



0.0000, 0.0000, 0.0000



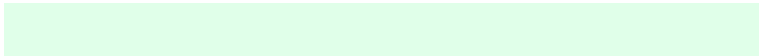
20.3446, 21.4041, 23.3091

Same Dimension

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



70.6452, 79.8852, 79.4074



81.3789, 93.3330, 91.0596



72.2644, 80.5329, 87.9340



15.0490, 16.9344, 16.9409



17.1721, 33.3233, 8.8711



1.3890, 2.6329, 0.9103

Inverse Universe

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



73.0051, 71.3081, 84.7827



84.6495, 81.4451, 98.5090



71.4028, 70.6672, 76.3454



15.5167, 15.2345, 18.0063



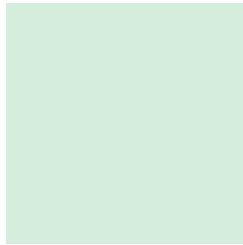
22.9805, 11.3949, 21.4967



1.8461, 0.9114, 1.9067

Previews

White Background



This preview shows how the XYZ color 70.6430, 79.8818, 79.4056 looks on a white background.

Color Contrast Check

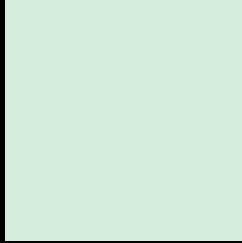
Large Text (above 18pt) WCAG AA × Fail

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 70.6430, 79.8818, 79.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

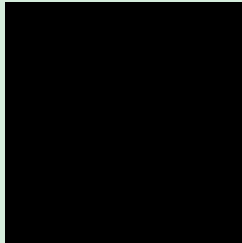
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

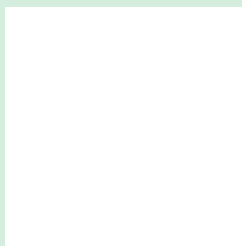
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6430, 79.8818, 79.4056

Background



This preview shows how black text looks on a background with the XYZ color 70.6430, 79.8818, 79.4056.

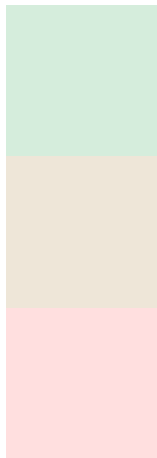


This preview shows how white text looks on a background with the XYZ color 70.6430, 79.8818,

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



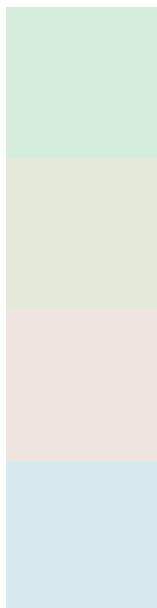
Original Color
70.6430, 79.8818, 79.4056
Protanopia
75.9514, 79.7286, 76.3518
Deuteranopia
80.9470, 79.3631, 80.8643



Tritanopia

75.1826, 79.5837, 102.6654

Trichromacy



Original Color

70.6430, 79.8818, 79.4056

Protanomaly

73.9764, 79.9456, 77.1777

Deuteranomaly

76.8634, 79.2860, 80.3598

Tritanomaly

73.4699, 79.7358, 93.9564

Monochromacy



Original Color

70.6430, 79.8818, 79.4056

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.5979, 78.2760, 82.5166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6430, 79.8818, 79.4056 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(213, 237, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 237, 220) }
```

Border

The CSS property to change the border of an element to XYZ 70.6430, 79.8818, 79.4056 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, 220) }
```


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

```
.border{ border-color:rgb(213, 237, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 237, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 237, 220);  
box-shadow:4px 4px 4px 4px rgb(213, 237,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6430, 79.8818, 79.4056 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, 220) }
```

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

```
.background{ background-color: rgb(213,  
237, 220) }
```

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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