

Converting Colors

XYZ(69.7810, 78.7481, 83.2779)

Have a look what the booklet for
XYZ(69.7810, 78.7481, 83.2779)
contains.

XYZ(70.0174, 79.0372, 83.5169)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.0174, 79.0372,
83.5169)**

Conversions

Conversions Part 1

Format	Color
Hex	D1ECE2
RGB	209, 236, 226
RGB Percent	82%, 93%, 89%
CMY	0.1804, 0.0745, 0.1137
CMYK	0.11, 0.00, 0.04, 0.07
HSL	158°, 42%, 87%
HSV	158°, 11%, 93%
XYZ	70.0174, 79.0372, 83.5169
YIQ	226.7870, -12.8820, -8.8340

Conversions

Conversions Part 2

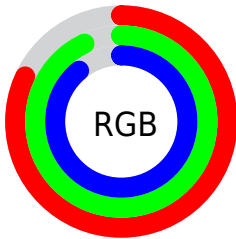
Format	Color
R _Y B	209, 226, 236
Decimal	13757666
CIE Lab	91.25, -10.72, 1.84
CIE LCh	91, 10.875, 170.268
Yxy	79.0372, 0.3011, 0.3398
Android (android.graphics.Color)	4291947746 (0xFFD1ECE2)
YUV	226.7870, -0.3880, -15.5992
Hunter-Lab	88.9029, -14.9984, 6.5340

Details

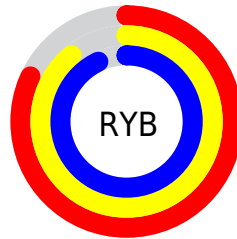
The XYZ color **70.0174, 79.0372, 83.5169** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.1816, 68.5503, 76.5540**, and the grayscale version is **72.8702, 76.6651, 83.4883**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9984, 42.4528, 44.7723** is the 20% darker color. If you saturate the color by 10%, you get **62.6596, 75.3814, 77.0699**, and if you desaturate by 10%, it is **78.4300, 83.2341, 90.3360**.

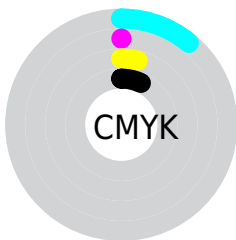
Distribution



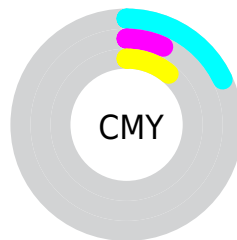
- Red (82%)
- Green (93%)
- Blue (89%)



- Red (82%)
- Yellow (89%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0174, 79.0372, 83.5169 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 70.0174, 79.0372, 83.5169 by changing the saturation by 10% instead.

70.0174, 79.0372,
83.5169

70.0174, 79.0372,
83.5169

449.8766,
491.6822, 526.7237

51.8204, 58.9264,
62.0736

118.2597,
132.0112, 140.1549

37.0856, 42.5539,
44.6560

149.0357,
165.6432, 176.1866

25.4478, 29.5352,
30.8456

184.7354,
204.5511, 217.9183

16.5415, 19.4861,
20.2238

225.7241,
249.1192, 265.7683

10.0014, 12.0220,
12.3721

272.3672,
299.7320, 320.1554

5.4621, 6.7587,
6.8720

325.0301,

2.5584, 3.3116,

356.7738, 381.4979

3.3050

384.0781,
420.6291, 450.2145

■ 0.9248, 1.2965,
1.2524

■ 0.0000, 0.1385,
0.0223

■ 70.0174, 79.0372,
83.5169

■ 70.0174, 79.0372,
83.5169

■ 62.6596, 75.3814,
77.0699

■ 78.4300, 83.2341,
90.3360

■ 56.3055, 72.2339,
70.9828

■ 87.4883, 87.7544,
97.5076

■ 50.9102, 69.5738,
65.2505

■ 88.8442, 88.2968,
104.6473

■ 46.4219, 67.3746,
59.8656

■ 89.2869, 88.4739,
106.9790

■ 42.7845, 65.6073,
54.8204

■ 39.9348, 64.2396,
50.1067

■ 37.8005, 63.2343,
45.7159

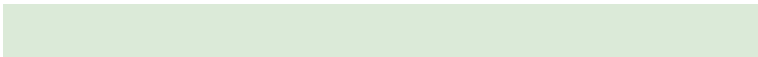
■ 36.2952, 62.5470,
41.6384

■ 35.3880, 62.1503,
38.3879

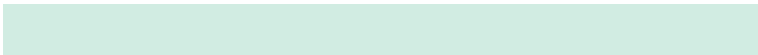
Harmonies

Analogous

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



71.1186, 79.0372, 76.7132



70.0174, 79.0372, 83.5169



70.2581, 79.0372, 91.4256

Triad

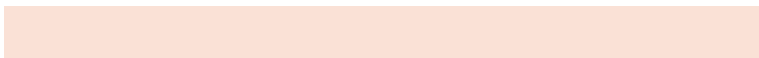
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0174, 79.0372, 83.5169



76.9740, 79.0372, 101.1016



78.5625, 79.0372, 74.9016

Complementary

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



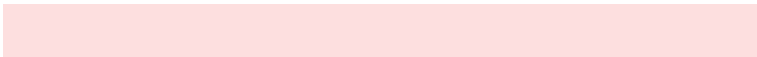
70.0174, 79.0372, 83.5169



70.1816, 68.5503, 76.5540

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.



80.2064, 79.0372, 80.9048



70.0174, 79.0372, 83.5169



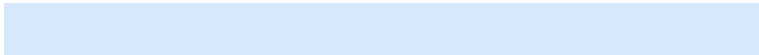
79.2738, 79.0372, 96.1327

Square

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



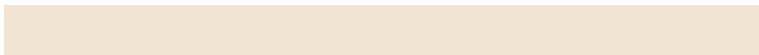
70.0174, 79.0372, 83.5169



74.2299, 79.0372, 101.9071



80.4699, 79.0372, 88.6503



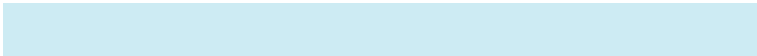
76.0222, 79.0372, 71.9439

Rectangle

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



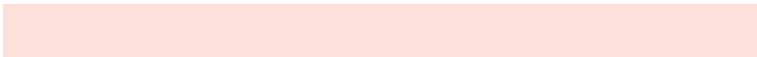
70.0174, 79.0372, 83.5169



71.1494, 79.0372, 96.2498



80.4699, 79.0372, 88.6503



79.2408, 79.0372, 76.6124

Sweetspot

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



70.0196, 79.0405, 83.5186



91.8383, 98.3967, 106.3855



70.8255, 79.7123, 71.9758



19.4777, 20.9714, 22.6285



0.0000, 0.0000, 0.0000



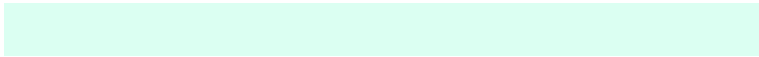
20.3446, 21.4041, 23.3091

Same Dimension

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



70.0196, 79.0405, 83.5186



81.0570, 93.0239, 97.5105



70.5339, 77.8076, 90.6617



15.2673, 17.0217, 18.0902



19.5701, 34.2825, 21.4993



1.5829, 2.7105, 1.9315

Inverse Universe

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



70.1816, 68.5503, 76.5540



81.2901, 77.9358, 87.4943



69.6842, 69.6004, 70.0842



15.2962, 15.1463, 16.8451



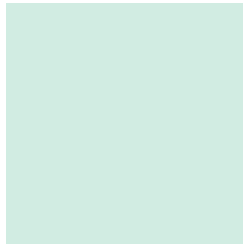
20.0830, 10.2359, 6.2385



1.6221, 0.8218, 0.7274

Previews

White Background



This preview shows how the XYZ color 70.0174, 79.0372, 83.5169 looks on a white background.

Color Contrast Check

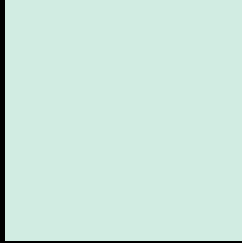
Large Text (above 18pt) WCAG AA × Fail

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 70.0174, 79.0372, 83.5169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

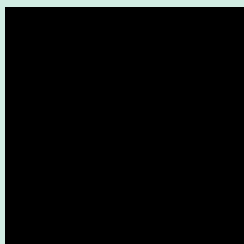
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

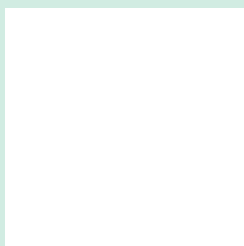
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0174, 79.0372, 83.5169

Background



This preview shows how black text looks on a background with the XYZ color 70.0174, 79.0372, 83.5169.

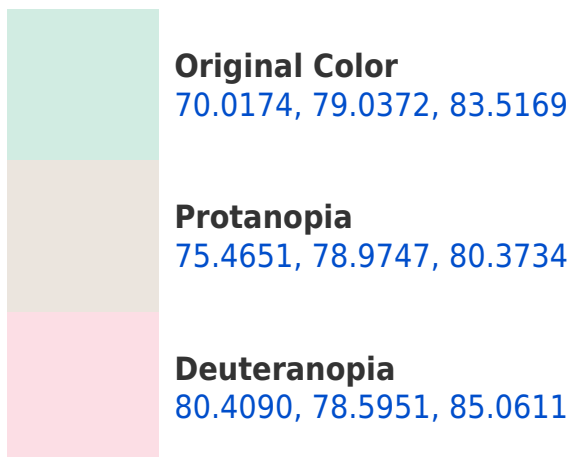


This preview shows how white text looks on a background with the XYZ color 70.0174, 79.0372,

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

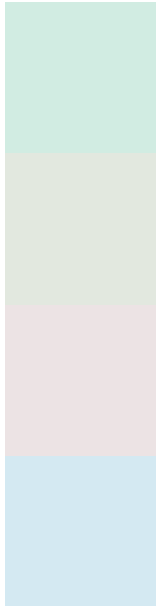




Tritanopia

73.7098, 78.8244, 102.5965

Trichromacy



Original Color

70.0174, 79.0372, 83.5169

Protanomaly

73.5399, 79.2097, 81.2251

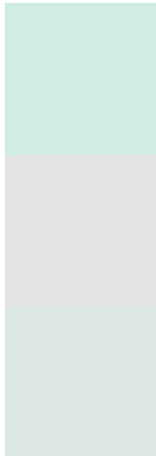
Deuteranomaly

76.0647, 78.3725, 84.5171

Tritanomaly

72.3173, 78.6857, 95.3807

Monochromacy



Original Color

70.0174, 79.0372, 83.5169

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.6771, 77.3553, 83.8263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0174, 79.0372, 83.5169 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(209, 236, 226) looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 226)  
}
```

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(209, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 226) }
```

Border

The CSS property to change the border of an element to XYZ 70.0174, 79.0372, 83.5169 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(209, 236, 226) }
```


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

```
.border{ border-color:rgb(209, 236, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 236, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0174, 79.0372, 83.5169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 236, 226) }
```

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

```
.background{ background-color: rgb(209,  
236, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor