

Converting Colors

XYZ(69.9862, 79.7443, 85.4588)

Have a look what the booklet for
XYZ(69.9862, 79.7443, 85.4588)
contains.

XYZ(70.0317, 79.8723, 85.1246)	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(70.0317, 79.8723,
85.1246)**

Conversions

Conversions Part 1

Format	Color
Hex	CEEEEE4
RGB	206, 238, 228
RGB Percent	81%, 93%, 89%
CMY	0.1921, 0.0666, 0.1059
CMYK	0.13, 0.00, 0.04, 0.07
HSL	161°, 48%, 87%
HSV	161°, 13%, 93%
XYZ	70.0317, 79.8723, 85.1246
YIQ	227.2920, -15.8620, -9.8940

Conversions

Conversions Part 2

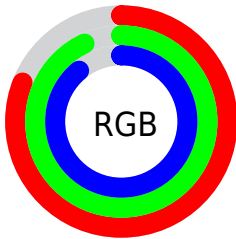
Format	Color
R_{YB}	206, 225, 238
Decimal	13561572
CIE _{Lab}	91.63, -12.31, 1.32
CIE _{LCh}	92, 12.381, 173.880
Yxy	79.8723, 0.2980, 0.3398
Android (android.graphics.Color)	4291751652 (0xFFCEEEE4)
YUV	227.2920, 0.3490, -18.6731
Hunter-Lab	89.3713, -16.5265, 6.0872

Details

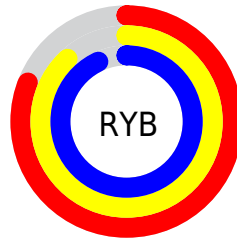
The XYZ color **70.0317, 79.8723, 85.1246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7287, 67.2797, 74.2805**, and the grayscale version is **73.2338, 77.0477, 83.9049**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0333, 43.0523, 45.8932** is the 20% darker color. If you saturate the color by 10%, you get **62.9079, 76.3188, 79.5166**, and if you desaturate by 10%, it is **78.2050, 83.9660, 91.0171**.

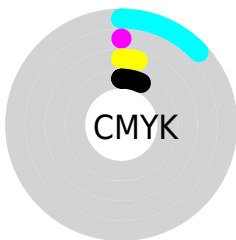
Distribution



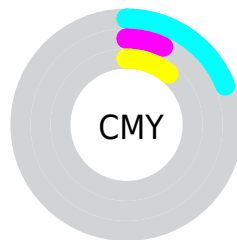
- Red (81%)
- Green (93%)
- Blue (89%)



- Red (81%)
- Yellow (88%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (19%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0317, 79.8723, 85.1246 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 70.0317, 79.8723, 85.1246 by changing the saturation by 10% instead.

70.0317, 79.8723,
85.1246

70.0317, 79.8723,
85.1246

449.9260,
494.5024, 532.1956

51.8321, 59.6133,
63.3936

118.2800,
133.1862, 142.4230

37.0950, 43.1070,
45.7167

149.0593,
167.0098, 178.8274

25.4550, 29.9691,
31.6752

184.7627,
206.1238, 220.9600

16.5469, 19.8151,
20.8508

225.7553,
250.9125, 269.2395

10.0053, 12.2607,
12.8248

272.4026,
301.7603, 324.0842

5.4648, 6.9215,
7.1787

325.0699,

2.5600, 3.4131,

359.0516, 385.9128

3.4940

384.1226,
423.1708, 455.1437

■ 0.9256, 1.3510,
1.3521

■ 0.0000, 0.1802,
0.1039

■ 70.0317, 79.8723,
85.1246

■ 70.0317, 79.8723,
85.1246

■ 62.9079, 76.3188,
79.5166

■ 78.2050, 83.9660,
91.0171

■ 56.7814, 73.2722,
74.1828

■ 87.4635, 88.6119,
97.1935

■ 51.6056, 70.7107,
69.1197

■ 89.1216, 89.3343,
103.2518

■ 47.3276, 68.6071,
64.3218

■ 89.8660, 89.6320,
107.1720

■ 43.8889, 66.9312,
59.7833

■ 41.2239, 65.6495,
55.4981

■ 39.2570, 64.7228,
51.4594

■ 37.8962, 64.1040,
47.6597

■ 37.2417, 63.8183,
45.2932

Harmonies

Analogous

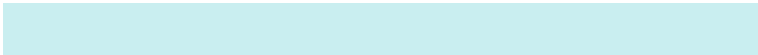
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.1115, 79.8723, 77.1043



70.0317, 79.8723, 85.1246



70.4929, 79.8723, 94.2061

Triad

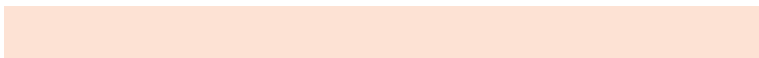
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0317, 79.8723, 85.1246



78.4034, 79.8723, 103.8754



79.5558, 79.8723, 73.6503

Complementary

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



70.0317, 79.8723, 85.1246



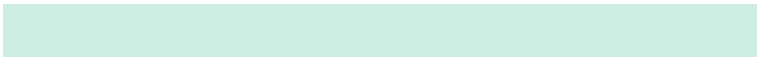
69.7287, 67.2797, 74.2805

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.



81.6108, 79.8723, 80.1092



70.0317, 79.8723, 85.1246



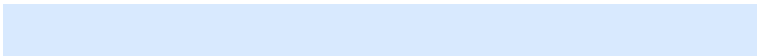
80.9326, 79.8723, 97.6375

Square

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



70.0317, 79.8723, 85.1246



75.2700, 79.8723, 105.4490



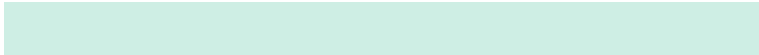
82.1215, 79.8723, 88.8365



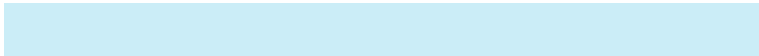
76.5661, 79.8723, 70.7821

Rectangle

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



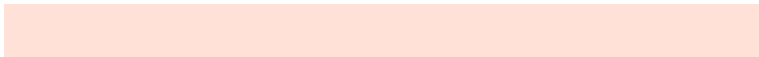
70.0317, 79.8723, 85.1246



71.6189, 79.8723, 99.5997



82.1215, 79.8723, 88.8365



80.3821, 79.8723, 75.4510

Sweetspot

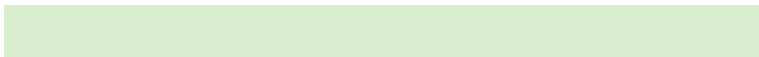
The Sweet Spot groups the original color and five complimentary colors.



70.0340, 79.8757, 85.1264



90.8873, 97.9129, 106.0479



70.0760, 80.2281, 70.1859



19.2910, 20.8759, 22.5851



0.0000, 0.0000, 0.0000



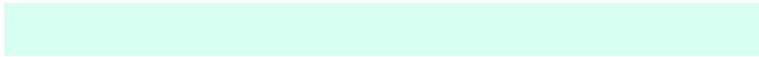
20.3446, 21.4041, 23.3091

Same Dimension

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



70.0340, 79.8757, 85.1264



79.6141, 92.2719, 97.8131



69.7829, 77.0863, 92.0940



16.0248, 17.8399, 19.1535



20.8371, 35.6268, 25.5886



1.7781, 2.9817, 2.3636

Inverse Universe

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



69.7287, 67.2797, 74.2805



79.1959, 74.9979, 82.9411



69.9132, 69.6559, 68.1538



15.9763, 15.8402, 17.4314



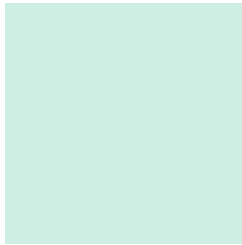
20.4197, 10.4403, 4.8609



1.7419, 0.8858, 0.6317

Previews

White Background



This preview shows how the XYZ color 70.0317, 79.8723, 85.1246 looks on a white background.

Color Contrast Check

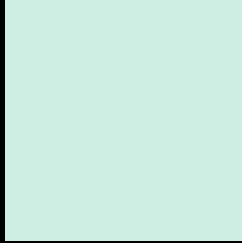
Large Text (above 18pt) WCAG AA × Fail

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 70.0317, 79.8723, 85.1246 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

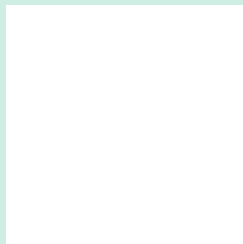
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0317, 79.8723, 85.1246

Background



This preview shows how black text looks on a background with the XYZ color 70.0317, 79.8723, 85.1246.

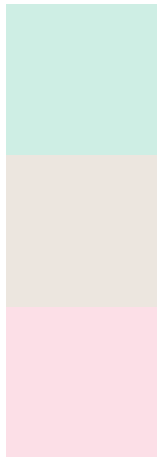


This preview shows how white text looks on a background with the XYZ color 70.0317, 79.8723,

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



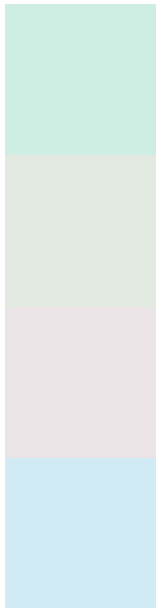
Original Color
70.0317, 79.8723, 85.1246
Protanopia
76.2082, 79.7542, 81.1895
Deuteranopia
80.9564, 79.2403, 86.6294



Tritanopia

73.7308, 79.6391, 104.4144

Trichromacy



Original Color

70.0317, 79.8723, 85.1246

Protanomaly

73.7809, 79.7216, 82.7333

Deuteranomaly

76.2873, 78.8621, 86.0641

Tritanomaly

72.3320, 79.5036, 97.1214

Monochromacy



Original Color

70.0317, 79.8723, 85.1246

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.6545, 77.7579, 83.9052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0317, 79.8723, 85.1246 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(206, 238, 228)` looks like.

```
.text, #text, p{  
    color:rgb(206, 238, 228)  
}
```

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(206, 238, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 238, 228) }
```

Border

The CSS property to change the border of an element to XYZ 70.0317, 79.8723, 85.1246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

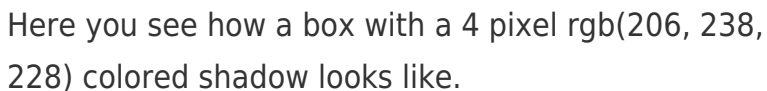
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 238, 228) }
```


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

```
.border{ border-color:rgb(206, 238, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 238, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 238, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 238, 228); box-shadow:4px 4px 4px 4px rgb(206, 238, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0317, 79.8723, 85.1246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 238, 228) }
```

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

```
.background{ background-color: rgb(206,  
238, 228) }
```

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