

Converting Colors

XYZ(70.4945, 81.8374, 87.8945)

Have a look what the booklet for
XYZ(70.4945, 81.8374, 87.8945)
contains.

XYZ(70.5331, 81.8303, 87.6787)	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(70.5331, 81.8303,
87.6787)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF2E7
RGB	202, 242, 231
RGB Percent	79%, 95%, 91%
CMY	0.2078, 0.0510, 0.0941
CMYK	0.17, 0.00, 0.05, 0.05
HSL	163°, 61%, 87%
HSV	163°, 17%, 95%
XYZ	70.5331, 81.8303, 87.6787
YIQ	228.7860, -20.3090, -11.9010

Conversions

Conversions Part 2

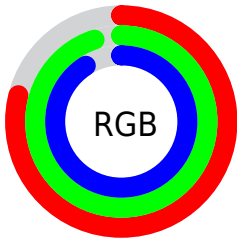
Format	Color
R _{YB}	202, 225, 242
Decimal	13300455
CIE Lab	92.50, -15.00, 1.00
CIE LCh	92, 15.029, 176.187
Yxy	81.8303, 0.2938, 0.3409
Android (android.graphics.Color)	4291490535 (0xFFCAF2E7)
YUV	228.7860, 1.0915, -23.4913
Hunter-Lab	90.4601, -19.1260, 5.8551

Details

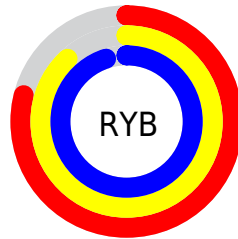
The XYZ color **70.5331, 81.8303, 87.6787** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7517, 65.9247, 72.0029**, and the grayscale version is **74.3237, 78.1943, 85.1536**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3294, 44.4160, 47.1631** is the 20% darker color. If you saturate the color by 10%, you get **63.5697, 78.3493, 82.5392**, and if you desaturate by 10%, it is **78.5637, 85.8618, 93.0583**.

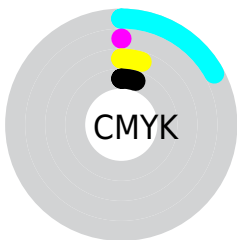
Distribution



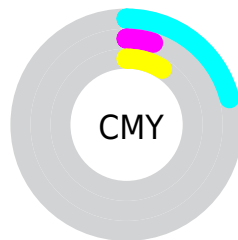
- Red (79%)
- Green (95%)
- Blue (91%)



- Red (79%)
- Yellow (88%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (21%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5331, 81.8303, 87.6787 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 70.5331, 81.8303, 87.6787 by changing the saturation by 10% instead.

70.5331, 81.8303,
87.6787

70.5331, 81.8303,
87.6787

451.6569,
501.0799, 540.8245

52.2424, 61.2257,
65.4942

118.9908,
135.9360, 146.0170

37.4234, 44.4073,
47.4080

149.8886,
170.2059, 183.0078

25.7107, 30.9908,
33.0017

185.7194,
209.7996, 225.7711

16.7388, 20.5919,
21.8566

226.8486,
255.1015, 274.7255

10.1426, 12.8260,
13.5543

273.6416,
306.4962, 330.2895

5.5566, 7.3088,
7.6761

326.4638,

2.6155, 3.6560,

364.3678, 392.8816

3.8036

385.6804,
429.1009, 462.9205

■ 0.9538, 1.4831,
1.5182

■ 0.0000, 0.2768,
0.2315

■ 70.5331, 81.8303,
87.6787

■ 70.5331, 81.8303,
87.6787

■ 63.5697, 78.3493,
82.5392

■ 78.5637, 85.8618,
93.0583

■ 57.6184, 75.3838,
77.6300

■ 87.6997, 90.4566,
98.6765

■ 52.6298, 72.9105,
72.9483

■ 90.4017, 91.7304,
104.1844

■ 48.5470, 70.9003,
68.4896

■ 91.0436, 91.9872,
107.5645

■ 45.3076, 69.3208,
64.2485

■ 42.8404, 68.1355,
60.2197

■ 41.0624, 67.3017,
56.3970

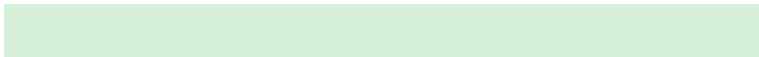
■ 39.8694, 66.7657,
52.7732

■ 39.5347, 66.6196,
51.5591

Harmonies

Analogous

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



71.7123, 81.8303, 77.6755



70.5331, 81.8303, 87.6787



71.2409, 81.8303, 98.9155

Triad

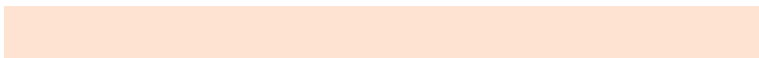
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.5331, 81.8303, 87.6787



81.1332, 81.8303, 109.7917



82.0249, 81.8303, 72.4220

Complementary

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



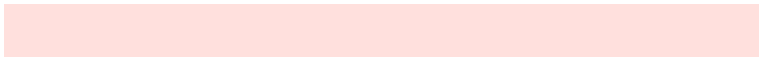
70.5331, 81.8303, 87.6787



69.7517, 65.9247, 72.0029

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.



84.7016, 81.8303, 79.9550



70.5331, 81.8303, 87.6787



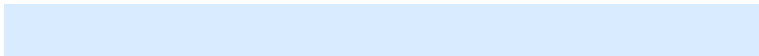
84.1749, 81.8303, 101.5915

Square

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



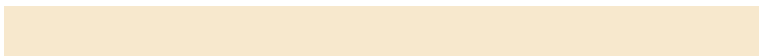
70.5331, 81.8303, 87.6787



77.2796, 81.8303, 112.2890



85.5012, 81.8303, 90.5351



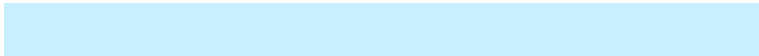
78.2770, 81.8303, 69.3446

Rectangle

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



70.5331, 81.8303, 87.6787



72.7009, 81.8303, 105.5104



85.5012, 81.8303, 90.5351



83.0846, 81.8303, 74.4847

Sweetspot

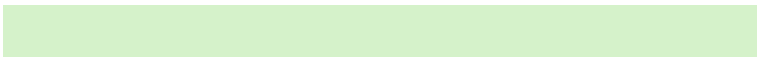
The Sweet Spot groups the original color and five complimentary colors.



70.5354, 81.8337, 87.6805



89.9542, 97.4377, 105.7410



69.9528, 81.9681, 68.0131



19.1061, 20.7814, 22.5391



0.0000, 0.0000, 0.0000



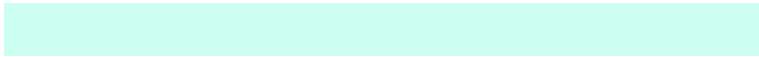
20.3446, 21.4041, 23.3091

Same Dimension

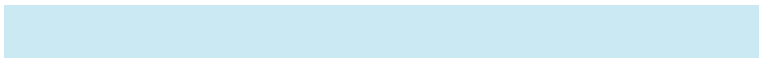
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5354, 81.8337, 87.6805



76.5348, 90.7066, 96.6714



69.6201, 77.4372, 95.2858



16.0511, 17.8504, 19.2918



21.2980, 35.8112, 28.0159



1.8135, 2.9958, 2.5503

Inverse Universe

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



69.7517, 65.9247, 72.0029



75.4914, 69.5092, 75.7867



70.4929, 69.5670, 65.5910



15.9514, 15.8303, 17.3004



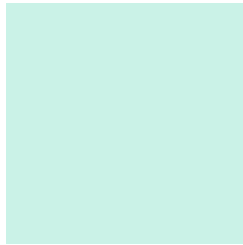
20.2581, 10.3757, 4.0096



1.7258, 0.8794, 0.5470

Previews

White Background



This preview shows how the XYZ color 70.5331, 81.8303, 87.6787 looks on a white background.

Color Contrast Check

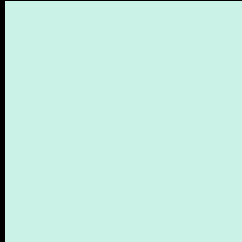
Large Text (above 18pt) WCAG AA × Fail

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 70.5331, 81.8303, 87.6787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

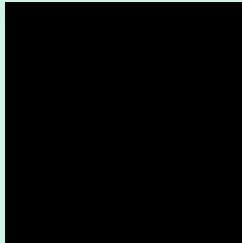
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

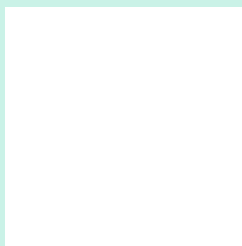
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5331, 81.8303, 87.6787

Background



This preview shows how black text looks on a background with the XYZ color 70.5331, 81.8303, 87.6787.



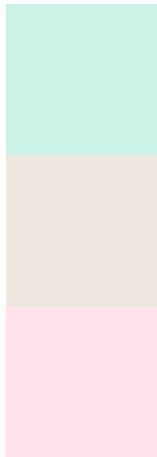
This preview shows how white text looks on a background with the XYZ color 70.5331, 81.8303,

87.6787.

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

70.5331, 81.8303, 87.6787

Protanopia

78.0438, 81.5002, 82.8519

Deuteranopia

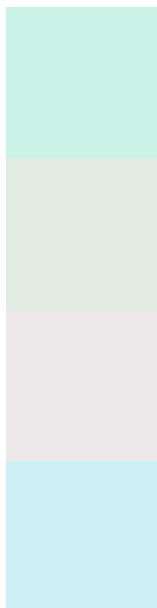
83.2876, 81.5932, 89.2012



Tritanopia

74.9190, 81.9244, 106.4721

Trichromacy



Original Color

70.5331, 81.8303, 87.6787

Protanomaly

75.2246, 81.7057, 84.4791

Deuteranomaly

78.1567, 81.4293, 88.6889

Tritanomaly

72.9547, 81.5086, 99.0764

Monochromacy



Original Color

70.5331, 81.8303, 87.6787

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.9192, 79.6189, 86.3876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5331, 81.8303, 87.6787 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(202, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(202, 242, 231)  
}
```

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(202, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 242, 231) }
```

Border

The CSS property to change the border of an element to XYZ 70.5331, 81.8303, 87.6787 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(202, 242, 231) }
```


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

```
.border{ border-color:rgb(202, 242, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(202, 242,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5331, 81.8303, 87.6787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 242, 231) }
```

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

```
.background{ background-color: rgb(202,  
242, 231) }
```

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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