

Converting Colors

XYZ(69.9814, 80.6524, 82.2008)

Have a look what the booklet for
XYZ(69.9814, 80.6524, 82.2008)
contains.

XYZ(70.0682, 80.8238, 82.4286)	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(70.0682, 80.8238,
82.4286)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF0E0
RGB	206, 240, 224
RGB Percent	81%, 94%, 88%
CMY	0.1922, 0.0588, 0.1216
CMYK	0.14, 0.00, 0.07, 0.06
HSL	152°, 53%, 87%
HSV	152°, 14%, 94%
XYZ	70.0682, 80.8238, 82.4286
YIQ	228.0100, -15.1280, -12.1840

Conversions

Conversions Part 2

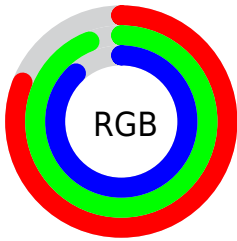
Format	Color
R _{YB}	206, 228, 240
Decimal	13562080
CIE Lab	92.05, -14.07, 4.02
CIE LCh	92, 14.630, 164.051
Yxy	80.8238, 0.3003, 0.3464
Android (android.graphics.Color)	4291752160 (0xFFCE0E0)
YUV	228.0100, -1.9769, -19.3028
Hunter-Lab	89.9021, -18.2086, 8.5702

Details

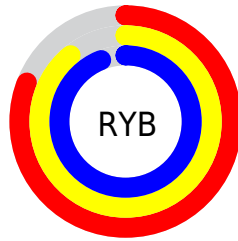
The XYZ color **70.0682, 80.8238, 82.4286** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1941, 67.9438, 78.4729**, and the grayscale version is **73.7739, 77.6159, 84.5237**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0644, 43.7249, 44.0224** is the 20% darker color. If you saturate the color by 10%, you get **62.4263, 77.0576, 74.3389**, and if you desaturate by 10%, it is **78.8339, 85.1620, 91.1056**.

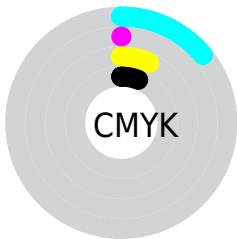
Distribution



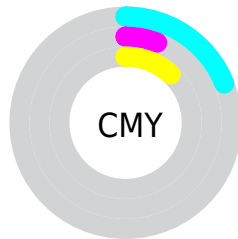
- Red (81%)
- Green (94%)
- Blue (88%)



- Red (81%)
- Yellow (89%)
- Blue (94%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)



- Cyan (19%)
- Magenta (6%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0682, 80.8238, 82.4286 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 70.0682, 80.8238, 82.4286 by changing the saturation by 10% instead.

70.0682, 80.8238,
82.4286

70.0682, 80.8238,
82.4286

450.0521,
497.7048, 523.0012

51.8619, 60.3965,
61.1810

118.3317,
134.5233, 138.6170

37.1189, 43.7383,
43.9398

149.1197,
168.5643, 174.3948

25.4736, 30.4648,
30.2863

184.8323,
207.9121, 215.8531

16.5609, 20.1917,
19.8021

225.8349,
252.9508, 263.4105

10.0153, 12.5344,
12.0686

272.4928,
304.0651, 317.4855

5.4714, 7.1088,
6.6673

325.1714,

2.5640, 3.5302,

361.6393, 378.4966

3.1797

384.2361,
426.0577, 446.8623

■ 0.9276, 1.4144,
1.1871

■ 0.0000, 0.2273,
0.0000

■ 70.0682, 80.8238,
82.4286

■ 70.0682, 80.8238,
82.4286

■ 62.4263, 77.0576,
74.3389

■ 78.8339, 85.1620,
91.1056

■ 55.8533, 73.8288,
66.8186

■ 88.7614, 90.0849,
100.3766

■ 50.3000, 71.1143,
59.8565

■ 90.4516, 90.8032,
107.3672

■ 45.7104, 68.8856,
53.4392

■ 42.0229, 67.1111,
47.5526

■ 39.1682, 65.7554,
42.1816

■ 37.0665, 64.7775,
37.3106

■ 35.6205, 64.1277,
32.9223

■ 34.9956, 63.8568,
30.5767

Harmonies

Analogous

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



71.8963, 80.8238, 73.9278



70.0682, 80.8238, 82.4286



70.0099, 80.8238, 93.1335

Triad

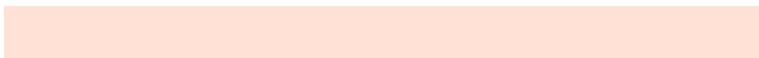
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0682, 80.8238, 82.4286



78.5916, 80.8238, 109.6865



82.1419, 80.8238, 74.3609

Complementary

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



70.0682, 80.8238, 82.4286



71.1941, 67.9438, 78.4729

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.



84.0593, 80.8238, 83.0651



70.0682, 80.8238, 82.4286



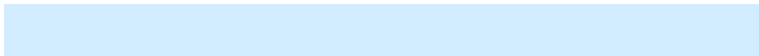
81.9647, 80.8238, 103.7610

Square

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



70.0682, 80.8238, 82.4286



74.8486, 80.8238, 109.4808



83.9934, 80.8238, 93.8240



78.8270, 80.8238, 69.5363

Rectangle

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



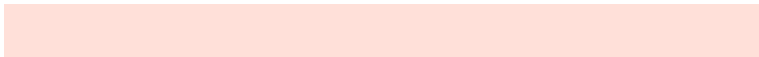
70.0682, 80.8238, 82.4286



70.9774, 80.8238, 100.1301



83.9934, 80.8238, 93.8240



82.9760, 80.8238, 76.8976

Sweetspot

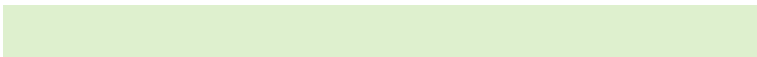
The Sweet Spot groups the original color and five complimentary colors.



70.0705, 80.8272, 82.4304



90.6331, 97.8112, 104.7091



72.5605, 82.3782, 70.4698



19.2266, 20.8501, 22.2460



0.0000, 0.0000, 0.0000



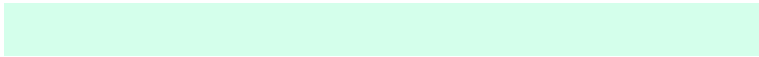
20.3446, 21.4041, 23.3091

Same Dimension

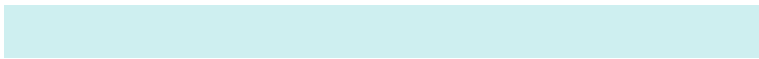
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0705, 80.8272, 82.4304



77.7479, 91.4400, 91.8449



72.1780, 81.4037, 94.3504



15.9156, 17.7963, 18.5783



19.2241, 34.9817, 17.0949



1.6495, 2.9302, 1.6868

Inverse Universe

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



71.1941, 67.9438, 78.4729



79.2690, 74.0013, 86.4886



69.2861, 67.3993, 67.7512



16.0825, 15.8827, 17.9905



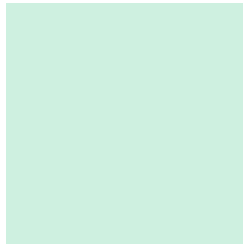
21.3677, 10.8195, 9.8530



1.8275, 0.9200, 1.0823

Previews

White Background



This preview shows how the XYZ color 70.0682, 80.8238, 82.4286 looks on a white background.

Color Contrast Check

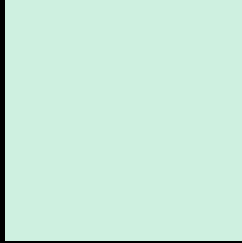
Large Text (above 18pt) WCAG AA × Fail

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 70.0682, 80.8238, 82.4286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

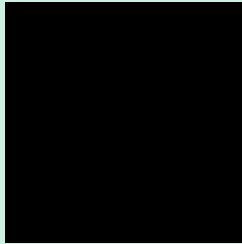
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

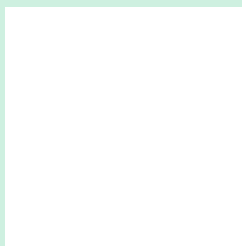
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0682, 80.8238, 82.4286

Background



This preview shows how black text looks on a background with the XYZ color 70.0682, 80.8238, 82.4286.



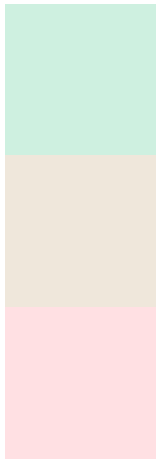
This preview shows how white text looks on a background with the XYZ color 70.0682, 80.8238,

82.4286.

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

70.0682, 80.8238, 82.4286

Protanopia

76.9587, 80.6170, 78.5223

Deuteranopia

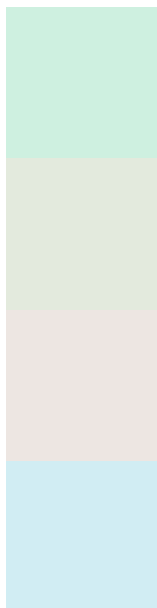
81.7608, 80.1174, 83.8280



Tritanopia

74.7488, 80.9955, 105.4600

Trichromacy



Original Color

70.0682, 80.8238, 82.4286

Protanomaly

74.1525, 80.3970, 80.0165

Deuteranomaly

76.9493, 80.0891, 83.3546

Tritanomaly

72.7563, 80.5947, 96.5157

Monochromacy



Original Color

70.0682, 80.8238, 82.4286

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.2369, 78.4749, 84.0129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0682, 80.8238, 82.4286 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, 240, 224)` looks like.

```
.text, #text, p{  
    color:rgb(206, 240, 224)  
}
```

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, 240, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 240, 224) }
```

Border

The CSS property to change the border of an element to XYZ 70.0682, 80.8238, 82.4286 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, 240, 224) }
```


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

```
.border{ border-color:rgb(206, 240, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 240, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(206, 240,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0682, 80.8238, 82.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 240, 224) }
```

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

```
.background{ background-color: rgb(206,  
240, 224) }
```

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