

Converting Colors

XYZ(70.4396, 80.2997, 81.6265)

Have a look what the booklet for
XYZ(70.4396, 80.2997, 81.6265)
contains.

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Color

**XYZ(70.4722, 80.1784,
81.5737)**

Conversions

Conversions Part 1

Format	Color
Hex	D2EEDF
RGB	210, 238, 223
RGB Percent	82%, 93%, 87%
CMY	0.1765, 0.0666, 0.1255
CMYK	0.12, 0.00, 0.06, 0.07
HSL	148°, 45%, 88%
HSV	148°, 12%, 93%
XYZ	70.4722, 80.1784, 81.5737
YIQ	227.9180, -11.8730, -10.6010

Conversions

Conversions Part 2

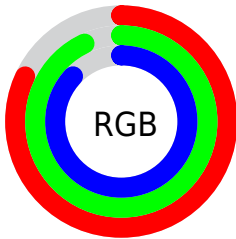
Format	Color
RYB	210, 229, 238
Decimal	13823711
CIELab	91.76, -11.96, 4.16
CIELCh	92, 12.659, 160.838
Yxy	80.1784, 0.3035, 0.3453
Android (android.graphics.Color)	4292013791 (0xFFD2EEDF)
YUV	227.9180, -2.4246, -15.7141
Hunter-Lab	89.5424, -16.2150, 8.6661

Details

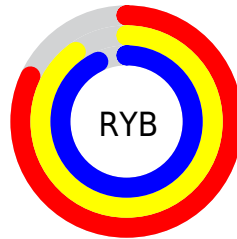
The XYZ color **70.4722, 80.1784, 81.5737** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9000, 69.7087, 80.9036**, and the grayscale version is **73.7081, 77.5467, 84.4483**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3134, 43.2516, 43.4276** is the 20% darker color. If you saturate the color by 10%, you get **62.5387, 76.2820, 72.5639**, and if you desaturate by 10%, it is **79.5474, 84.6529, 91.3162**.

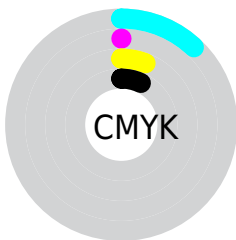
Distribution



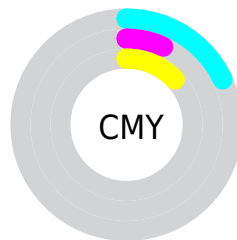
- Red (82%)
- Green (93%)
- Blue (87%)



- Red (82%)
- Yellow (90%)
- Blue (93%)



- Cyan (12%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4722, 80.1784, 81.5737 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 70.4722, 80.1784, 81.5737 by changing the saturation by 10% instead.

70.4722, 80.1784,
81.5737

70.4722, 80.1784,
81.5737

451.4468,
495.5339, 520.0666

52.1926, 59.8652,
60.4804

118.9045,
133.6165, 137.4073

37.3835, 43.3100,
43.3782

149.7879,
167.5102, 172.9848

25.6796, 30.1284,
29.8484

185.6032,
206.6995, 214.2274

16.7155, 19.9361,
19.4724

226.7159,
251.5688, 261.5537

10.1259, 12.3486,
11.8319

273.4912,
302.5025, 315.3822

5.5454, 6.9815,
6.5082

326.2946,

2.6087, 3.4506,

359.8849, 376.1315

3.0827

385.4914,
424.1006, 444.2201

■ 0.9504, 1.3712,
1.1370

■ 0.0000, 0.1954,
0.0000

■ 70.4722, 80.1784,
81.5737

■ 70.4722, 80.1784,
81.5737

■ 62.5387, 76.2820,
72.5639

■ 79.5474, 84.6529,
91.3162

■ 55.6931, 72.9296,
64.2646

■ 88.8378, 89.2208,
101.7575

■ 49.8871, 70.0988,
56.6598

■ 89.8660, 89.6321,
107.1720

■ 45.0659, 67.7617,
49.7311

■ 41.1695, 65.8878,
43.4593

■ 38.1310, 64.4430,
37.8239

■ 35.8740, 63.3883,
32.8035

■ 34.3068, 62.6768,
28.3749

■ 33.4171, 62.2885,
25.1530

Harmonies

Analogous

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



72.2052, 80.1784, 74.4849



70.4722, 80.1784, 81.5737



70.2503, 80.1784, 90.6989

Triad

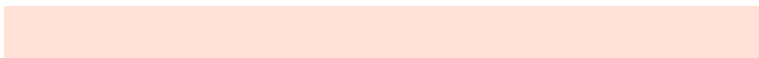
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4722, 80.1784, 81.5737



77.3847, 80.1784, 106.0245



81.0187, 80.1784, 76.1447

Complementary

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



70.4722, 80.1784, 81.5737



71.9000, 69.7087, 80.9036

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.



82.4916, 80.1784, 83.9884



70.4722, 80.1784, 81.5737



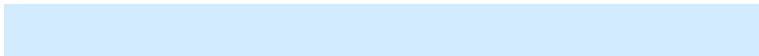
80.3544, 80.1784, 101.5080

Square

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



70.4722, 80.1784, 81.5737



74.1803, 80.1784, 105.2633



82.2451, 80.1784, 93.2896



78.2706, 80.1784, 71.5074

Rectangle

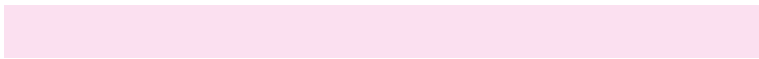
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



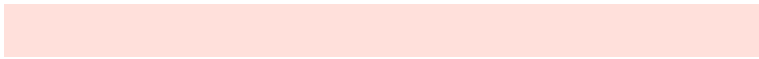
70.4722, 80.1784, 81.5737



70.9818, 80.1784, 96.7704



82.2451, 80.1784, 93.2896



81.6828, 80.1784, 78.4697

Sweetspot

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



70.4744, 80.1818, 81.5755



90.5289, 97.7695, 104.1607



73.3865, 81.8778, 72.9102



19.2002, 20.8396, 22.1073



0.0000, 0.0000, 0.0000



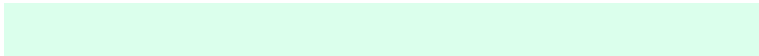
20.3446, 21.4041, 23.3091

Same Dimension

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



70.4744, 80.1818, 81.5755



80.1856, 92.6754, 92.9219



72.3833, 80.9453, 91.6275



15.8712, 17.7785, 18.3447



18.7064, 34.7746, 14.3689



1.6060, 2.9128, 1.4574

Inverse Universe

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



71.9000, 69.7087, 80.9036



82.1453, 78.2779, 91.9980



70.1171, 68.9955, 71.5146



16.1269, 15.9005, 18.2243



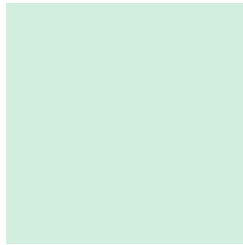
21.8935, 11.0298, 12.6218



1.8716, 0.9377, 1.3145

Previews

White Background



This preview shows how the XYZ color 70.4722, 80.1784, 81.5737 looks on a white background.

Color Contrast Check

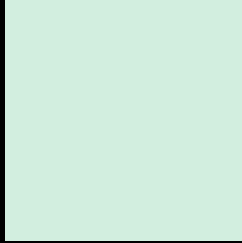
Large Text (above 18pt) WCAG AA × Fail

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 70.4722, 80.1784, 81.5737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

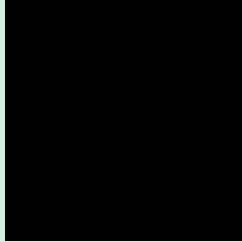
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

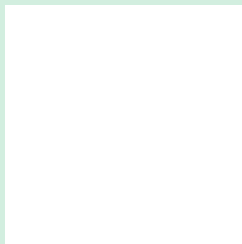
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4722, 80.1784, 81.5737

Background



This preview shows how black text looks on a background with the XYZ color 70.4722, 80.1784, 81.5737.



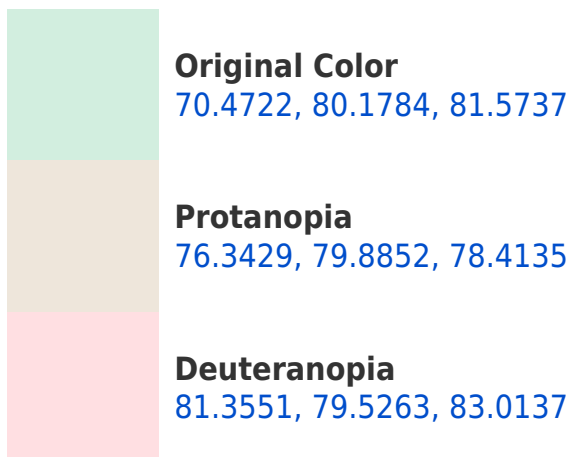
This preview shows how white text looks on a background with the XYZ color 70.4722, 80.1784,

81.5737.

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

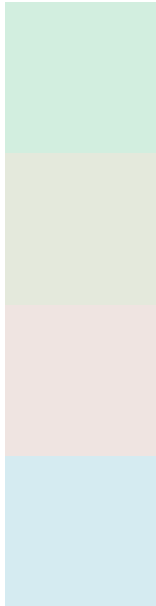




Tritanopia

75.0178, 80.3210, 103.6451

Trichromacy



Original Color

70.4722, 80.1784, 81.5737

Protanomaly

74.0521, 79.9391, 79.2370

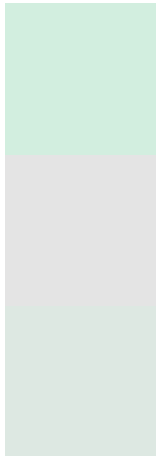
Deuteranomaly

76.9306, 79.2738, 82.4809

Tritanomaly

73.0261, 79.9137, 94.7951

Monochromacy



Original Color

70.4722, 80.1784, 81.5737

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.4029, 78.5764, 83.3022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4722, 80.1784, 81.5737 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(210, 238, 223)` looks like.

```
.text, #text, p{  
    color:rgb(210, 238, 223)  
}
```

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(210, 238, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 238, 223) }
```

Border

The CSS property to change the border of an element to XYZ 70.4722, 80.1784, 81.5737 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(210, 238, 223) }
```


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

```
.border{ border-color:rgb(210, 238, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 238, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 238, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 238, 223);  
box-shadow:4px 4px 4px 4px rgb(210, 238,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4722, 80.1784, 81.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 238, 223) }
```

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

```
.background{ background-color: rgb(210,  
238, 223) }
```

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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