

Converting Colors

XYZ(70.5915, 77.6167, 85.3590)

Have a look what the booklet for
XYZ(70.5915, 77.6167, 85.3590)
contains.

XYZ(70.4400, 77.5165, 85.3783)	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(70.4400, 77.5165,
85.3783)**

Conversions

Conversions Part 1

Format	Color
Hex	D5E8E5
RGB	213, 232, 229
RGB Percent	84%, 91%, 90%
CMY	0.1647, 0.0902, 0.1020
CMYK	0.08, 0.00, 0.01, 0.09
HSL	171°, 29%, 87%
HSV	171°, 8%, 91%
XYZ	70.4400, 77.5165, 85.3783
YIQ	225.9770, -10.3610, -4.9610

Conversions

Conversions Part 2

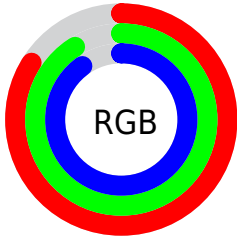
Format	Color
R _Y B	213, 223, 232
Decimal	14018789
CIE Lab	90.56, -6.83, -0.71
CIE LCh	91, 6.864, 185.899
Yxy	77.5165, 0.3019, 0.3322
Android (android.graphics.Color)	4292208869 (0xFFD5E8E5)
YUV	225.9770, 1.4903, -11.3808
Hunter-Lab	88.0435, -11.2654, 4.1352

Details

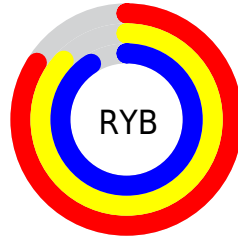
The XYZ color **70.4400, 77.5165, 85.3783** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4704, 69.7041, 74.7621**, and the grayscale version is **72.2689, 76.0325, 82.7994**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2659, 41.3758, 46.0666** is the 20% darker color. If you saturate the color by 10%, you get **63.6800, 74.0922, 82.4187**, and if you desaturate by 10%, it is **78.1780, 81.4479, 88.4434**.

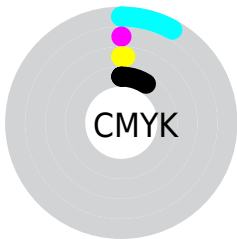
Distribution



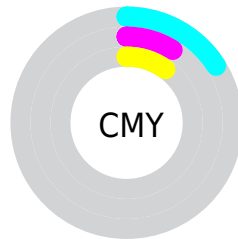
- Red (84%)
- Green (91%)
- Blue (90%)



- Red (84%)
- Yellow (87%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4400, 77.5165, 85.3783 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 70.4400, 77.5165, 85.3783 by changing the saturation by 10% instead.

70.4400, 77.5165,
85.3783

70.4400, 77.5165,
85.3783

451.3358,
486.5232, 533.0562

52.1662, 57.6769,
63.6021

118.8589,
129.8683, 142.7805

37.3624, 41.5489,
45.8843

149.7347,
163.1493, 179.2434

25.6632, 28.7483,
31.8065

185.5418,
201.6795, 221.4391

16.7032, 18.8905,
20.9502

226.6457,
245.8434, 269.7859

10.1171, 11.5912,
12.8967

273.4117,
296.0253, 324.7025

5.5395, 6.4659,
7.2276

326.2051,

2.6051, 3.1304,

352.6097, 386.6074

3.5242

385.3914,
415.9809, 455.9191

■ 0.9486, 1.2002,
1.3681

■ 0.0000, 0.0619,
0.1167

■ 70.4400, 77.5165,
85.3783

■ 70.4400, 77.5165,
85.3783

■ 63.6800, 74.0922,
82.4187

■ 78.1780, 81.4479,
88.4434

■ 57.8505, 71.1443,
79.5571


■ 85.2872, 85.0518,
91.5343


■ 52.9101, 68.6536,
76.7929


■ 85.8266, 85.2676,
94.3748


■ 48.8118, 66.5956,
74.1235


■ 86.3771, 85.4878,
97.2733


 45.5039, 64.9439,
71.5463


 86.9386, 85.7124,
100.2302


 42.9291, 63.6690,
69.0580


 87.5112, 85.9414,
103.2457

 41.0223, 62.7372,
66.6554

 88.0951, 86.1750,
106.3202

 39.7069, 62.1091,
64.3344

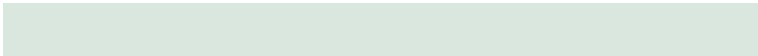
 88.1481, 86.1962,
106.5994

 38.8743, 61.7287,
62.0897

Harmonies

Analogous

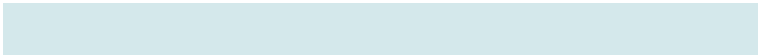
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7028, 77.5165, 80.5979



70.4400, 77.5165, 85.3783



71.0336, 77.5165, 90.0717

Triad

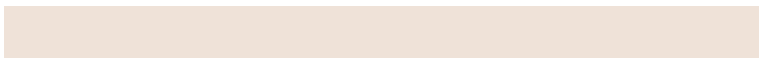
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4400, 77.5165, 85.3783



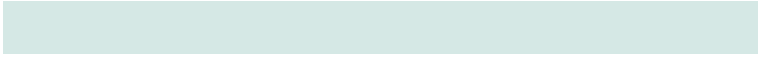
75.6310, 77.5165, 92.2997



75.0342, 77.5165, 76.0580

Complementary

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



70.4400, 77.5165, 85.3783



69.4704, 69.7041, 74.7621

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.



76.3854, 77.5165, 78.9759



70.4400, 77.5165, 85.3783



76.7337, 77.5165, 88.3245

Square

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



70.4400, 77.5165, 85.3783



74.0171, 77.5165, 94.1664



77.0119, 77.5165, 83.4337



73.3381, 77.5165, 75.3376

Rectangle

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



70.4400, 77.5165, 85.3783



71.8406, 77.5165, 92.4806



77.0119, 77.5165, 83.4337



75.5446, 77.5165, 76.8087

Sweetspot

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



70.4422, 77.5198, 85.3800



93.0690, 98.9937, 108.1313



69.2374, 77.1450, 74.1932



19.9413, 21.1993, 23.1527



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.



70.4422, 77.5198, 85.3800



85.6407, 95.2235, 105.1079



69.1142, 74.1867, 87.0246



14.7044, 16.2952, 17.9743



21.5482, 34.2514, 34.4509



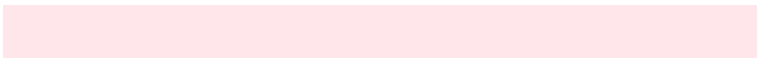
1.6188, 2.5416, 2.6849

Inverse Universe

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



69.4704, 69.7041, 74.7621



84.1818, 83.4893, 89.1669



70.7102, 72.7995, 73.2768



14.4694, 14.4050, 15.4063



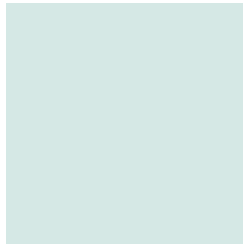
18.6872, 9.6091, 1.9818



1.4094, 0.7215, 0.2965

Previews

White Background



This preview shows how the XYZ color 70.4400, 77.5165, 85.3783 looks on a white background.

Color Contrast Check

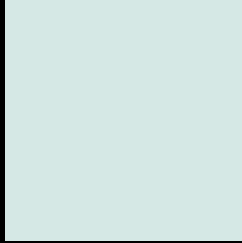
Large Text (above 18pt) WCAG AA × Fail

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 70.4400, 77.5165, 85.3783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

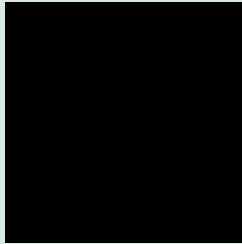
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

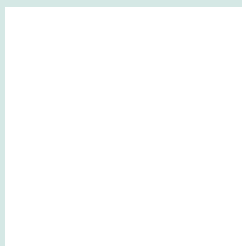
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4400, 77.5165, 85.3783

Background



This preview shows how black text looks on a background with the XYZ color 70.4400, 77.5165, 85.3783.



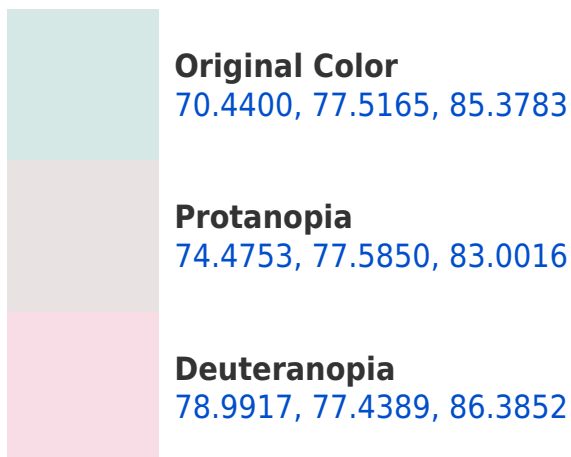
This preview shows how white text looks on a background with the XYZ color 70.4400, 77.5165,

85.3783.

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

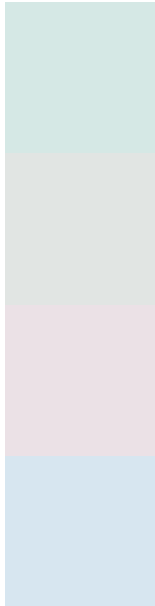




Tritanopia

73.1267, 77.3530, 99.0721

Trichromacy



Original Color

70.4400, 77.5165, 85.3783

Protanomaly

72.9358, 77.5922, 83.8057

Deuteranomaly

75.4691, 77.2258, 85.7913

Tritanomaly

72.0493, 77.3320, 93.5672

Monochromacy



Original Color

70.4400, 77.5165, 85.3783

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.4273, 76.4050, 83.6561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4400, 77.5165, 85.3783 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(213, 232, 229)` looks like.

```
.text, #text, p{  
    color:rgb(213, 232, 229)  
}
```

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(213, 232, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 232, 229) }
```

Border

The CSS property to change the border of an element to XYZ 70.4400, 77.5165, 85.3783 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(213, 232, 229) }
```


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

```
.border{ border-color:rgb(213, 232, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 232, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 232, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 232, 229);  
box-shadow:4px 4px 4px 4px rgb(213, 232,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4400, 77.5165, 85.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 232, 229) }
```

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

```
.background{ background-color: rgb(213,  
232, 229) }
```

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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