

Converting Colors

XYZ(70.1492, 77.0549, 80.6372)

Have a look what the booklet for
XYZ(70.1492, 77.0549, 80.6372)
contains.

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Color

**XYZ(70.2141, 77.0785,
80.9890)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E7DF
RGB	216, 231, 223
RGB Percent	85%, 91%, 87%
CMY	0.1529, 0.0941, 0.1255
CMYK	0.06, 0.00, 0.03, 0.09
HSL	148°, 24%, 88%
HSV	148°, 6%, 91%
XYZ	70.2141, 77.0785, 80.9890
YIQ	225.6030, -6.3720, -5.6680

Conversions

Conversions Part 2

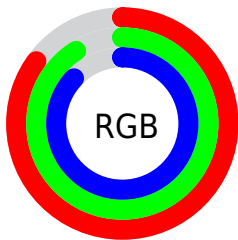
Format	Color
R _Y B	216, 226, 231
Decimal	14215135
CIE Lab	90.36, -6.45, 2.16
CIE LCh	90, 6.799, 161.440
Yxy	77.0785, 0.3076, 0.3376
Android (android.graphics.Color)	4292405215 (0xFFD8E7DF)
YUV	225.6030, -1.2833, -8.4218
Hunter-Lab	87.7944, -10.8836, 6.7619

Details

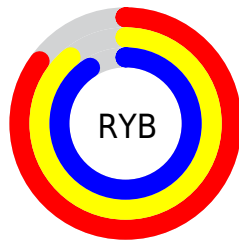
The XYZ color **70.2141, 77.0785, 80.9890** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9682, 71.4844, 80.5822**, and the grayscale version is **72.0162, 75.7667, 82.5099**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0958, 41.0642, 43.0168** is the 20% darker color. If you saturate the color by 10%, you get **62.2621, 73.1663, 72.2581**, and if you desaturate by 10%, it is **79.2508, 81.5402, 90.4051**.

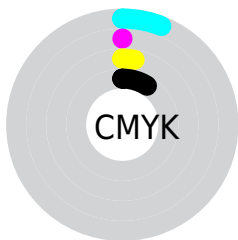
Distribution



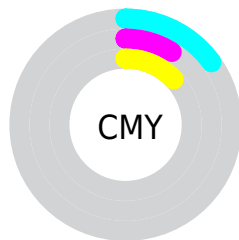
- Red (85%)
- Green (91%)
- Blue (87%)



- Red (85%)
- Yellow (89%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2141, 77.0785, 80.9890 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 70.2141, 77.0785, 80.9890 by changing the saturation by 10% instead.

70.2141, 77.0785,
80.9890

70.2141, 77.0785,
80.9890

450.5561,
485.0316, 518.0540

51.9813, 57.3173,
60.0016

118.5386,
129.2503, 136.5793

37.2144, 41.2600,
42.9946

149.3611,
162.4297, 172.0192

25.5480, 28.5223,
29.5495

185.1108,
200.8506, 213.1137

16.6167, 18.7198,
19.2478

226.1532,
244.8974, 260.2813

10.0552, 11.4680,
11.6708

272.8536,
294.9545, 313.9407

5.4981, 6.3825,
6.4001

325.5773,

2.5801, 3.0790,

351.4063, 374.5102

3.0172

384.6896,
414.6372, 442.4084

■ 0.9358, 1.1731,
1.1034

■ 0.0000, 0.0396,
0.0000

■ 70.2141, 77.0785,
80.9890

■ 70.2141, 77.0785,
80.9890

■ 62.2621, 73.1663,
72.2581

■ 79.2508, 81.5402,
90.4051

■ 55.3460, 69.7723,
64.1920

■ 86.7060, 85.1703,
100.3899

■ 49.4227, 66.8767,
56.7765

■ 87.8674, 85.6348,
106.5058

■ 44.4436, 64.4548,
49.9951

■ 40.3556, 62.4796,
43.8305

■ 37.1002, 60.9212,
38.2645

■ 34.6116, 59.7461,
33.2779

■ 32.8131, 58.9151,
28.8504

■ 31.6088, 58.3791,
24.9597

Harmonies

Analogous

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



71.1247, 77.0785, 77.1202



70.2141, 77.0785, 80.9890



70.1123, 77.0785, 85.7905

Triad

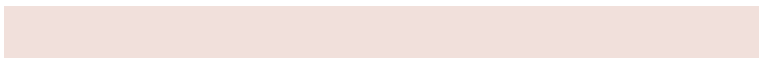
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2141, 77.0785, 80.9890



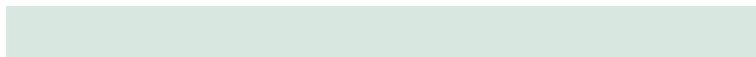
73.9092, 77.0785, 93.4113



75.7315, 77.0785, 77.8976

Complementary

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



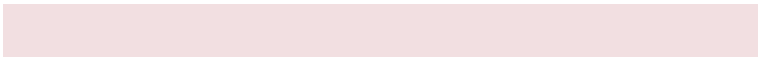
70.2141, 77.0785, 80.9890



70.9682, 71.4844, 80.5822

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.



76.5022, 77.0785, 82.0875



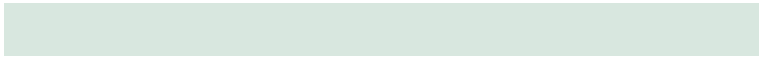
70.2141, 77.0785, 80.9890



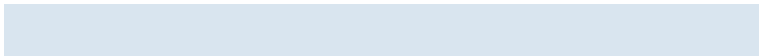
75.4393, 77.0785, 91.1196

Square

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



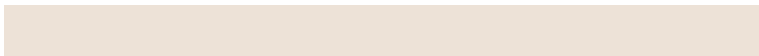
70.2141, 77.0785, 80.9890



72.2282, 77.0785, 93.0894



76.3944, 77.0785, 86.9319



74.3032, 77.0785, 75.3834

Rectangle

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



70.2141, 77.0785, 80.9890



70.5149, 77.0785, 88.8892



76.3944, 77.0785, 86.9319



76.0771, 77.0785, 79.1499

Sweetspot

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



70.2163, 77.0818, 80.9907



92.7635, 98.8715, 106.5228



71.7914, 78.0006, 76.2386



19.8792, 21.1744, 22.8253



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.



70.2163, 77.0818, 80.9907



86.2360, 95.6530, 99.5995



71.2156, 77.4815, 86.2529



14.4677, 16.2005, 16.7279



17.5923, 32.6690, 13.6190



1.3466, 2.4327, 1.2516

Inverse Universe

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



70.9682, 71.4844, 80.5822



87.3891, 87.0699, 98.9730



70.0051, 71.0992, 75.5103



14.6967, 14.4959, 16.6035



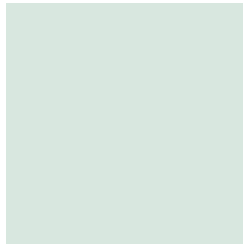
20.5506, 10.3545, 11.7943



1.5655, 0.7839, 1.1182

Previews

White Background



This preview shows how the XYZ color 70.2141, 77.0785, 80.9890 looks on a white background.

Color Contrast Check

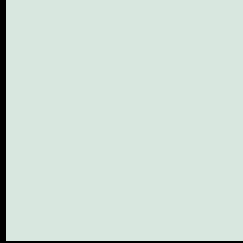
Large Text (above 18pt) WCAG AA × Fail

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 70.2141, 77.0785, 80.9890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

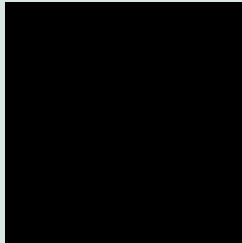
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

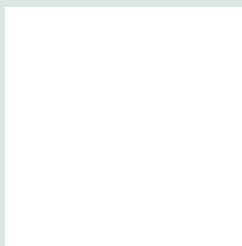
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2141, 77.0785, 80.9890

Background



This preview shows how black text looks on a background with the XYZ color 70.2141, 77.0785, 80.9890.



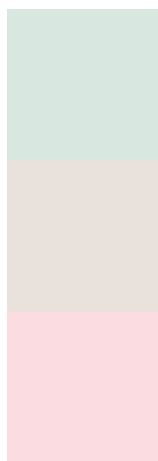
This preview shows how white text looks on a background with the XYZ color 70.2141, 77.0785,

80.9890.

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

70.2141, 77.0785, 80.9890

Protanopia

73.7189, 76.8837, 78.6648

Deuteranopia

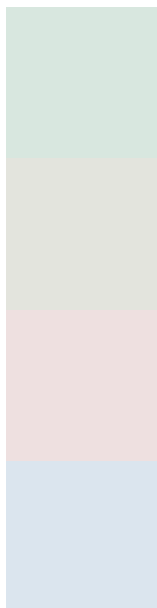
78.6081, 76.9466, 81.9433



Tritanopia

73.8932, 77.3563, 98.2254

Trichromacy



Original Color

70.2141, 77.0785, 80.9890

Protanomaly

72.4731, 77.0382, 79.4567

Deuteranomaly

75.3701, 76.8703, 81.3860

Tritanomaly

72.6653, 77.2717, 91.9740

Monochromacy



Original Color

70.2141, 77.0785, 80.9890

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.4582, 76.4526, 82.2247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2141, 77.0785, 80.9890 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(216, 231, 223)` looks like.

```
.text, #text, p{  
    color:rgb(216, 231, 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(216, 231, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 231, 223) }
```

Border

The CSS property to change the border of an element to XYZ 70.2141, 77.0785, 80.9890 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(216, 231, 223) }
```


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

```
.border{ border-color:rgb(216, 231, 223) }
```

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

Here you see how a box with a 4 pixel rgb(216, 231, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 231, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 231, 223);  
box-shadow:4px 4px 4px 4px rgb(216, 231,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2141, 77.0785, 80.9890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 231, 223) }
```

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

```
.background{ background-color: rgb(216,  
231, 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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