

Converting Colors

XYZ(70.7798, 70.6308, 80.4236)

Have a look what the booklet for
XYZ(70.7798, 70.6308, 80.4236)
contains.

XYZ(70.7798, 70.6308, 80.4236)	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(70.7798, 70.6308,
80.4236)**

Conversions

Conversions Part 1

Format	Color
Hex	E8D6E0
RGB	232, 214, 224
RGB Percent	91%, 84%, 88%
CMY	0.0902, 0.1608, 0.1216
CMYK	0.00, 0.08, 0.03, 0.09
HSL	327°, 28%, 87%
HSV	327°, 8%, 91%
XYZ	70.7798, 70.6308, 80.4236
YIQ	220.5220, 7.5180, 6.9260

Conversions

Conversions Part 2

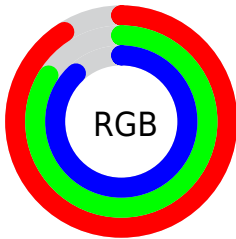
Format	Color
R _Y B	232, 214, 224
Decimal	15259360
CIE Lab	87.31, 7.92, -2.68
CIE LCh	87, 8.362, 341.336
Yxy	70.6308, 0.3191, 0.3184
Android (android.graphics.Color)	4293449440 (0xFFE8D6E0)
YUV	220.5220, 1.7147, 10.0662
Hunter-Lab	84.0421, 3.2579, 2.0923

Details

The XYZ color **70.7798, 70.6308, 80.4236** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7757, 77.2851, 80.3509**, and the grayscale version is **68.3787, 71.9397, 78.3423**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4641, 36.8910, 42.6822** is the 20% darker color. If you saturate the color by 10%, you get **63.9653, 59.1719, 71.4596**, and if you desaturate by 10%, it is **78.5194, 83.8022, 90.1163**.

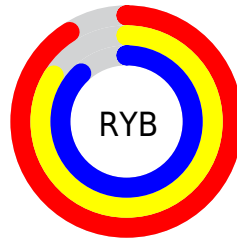
Distribution



Red (91%)

Green (84%)

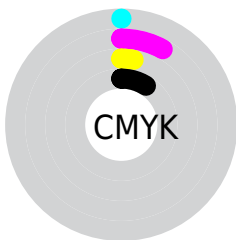
Blue (88%)



Red (91%)

Yellow (84%)

Blue (88%)

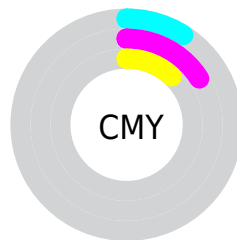


Cyan (0%)

Magenta (8%)

Yellow (3%)

Black (9%)



Cyan (9%)

Magenta (16%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7798, 70.6308, 80.4236 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 70.7798, 70.6308, 80.4236 by changing the saturation by 10% instead.

70.7798, 70.6308,
80.4236

70.7798, 70.6308,
80.4236

452.5071,
462.7618, 516.1036

52.4444, 52.0410,
59.5388

119.3404,
120.1079, 135.7779

37.5851, 37.0377,
42.6241

150.2962,
151.7639, 171.0845

25.8366, 25.2367,
29.2611

186.1896,
188.5441, 212.0354

16.8335, 16.2535,
19.0311

227.3859,
230.8329, 259.0491

10.2104, 9.7037,
11.5157

274.2505,
279.0147, 312.5443

5.6020, 5.2030,
6.2963

327.1486,

2.6430, 2.3668,

333.4738, 372.9394

2.9544

386.4457,
394.5947, 440.6530

■ 0.9679, 0.8087,
1.0714

■ 0.0000, 0.0000,
0.0000

■ 70.7798, 70.6308,
80.4236

■ 70.7798, 70.6308,
80.4236

■ 63.9653, 59.1719,
71.4596

■ 78.5194, 83.8022,
90.1163

■ 58.0332, 49.3455,
63.2003

■ 85.4638, 95.2459,
99.9688

■ 52.9463, 41.0785,
55.6263

■ 87.0797, 95.8922,
108.4779

■ 48.6624, 34.2891,
48.7160

■ 87.0891, 95.8960,
108.5274

■ 45.1355, 28.8876,
42.4459

■ 42.3143, 24.7747,
36.7907

■ 40.1413, 21.8376,
31.7227

■ 38.5486, 19.9437,
27.2104

■ 37.4446, 18.9126,
23.2141

Harmonies

Analogous

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



69.6616, 70.6308, 85.3280



70.7798, 70.6308, 80.4236



70.9095, 70.6308, 74.7954

Triad

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



70.7798, 70.6308, 80.4236



66.3918, 70.6308, 66.7659



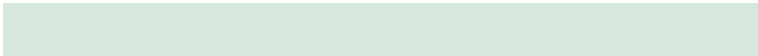
64.3325, 70.6308, 84.2831

Complementary

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



70.7798, 70.6308, 80.4236



69.7757, 77.2851, 80.3509

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.



63.4920, 70.6308, 79.0537



70.7798, 70.6308, 80.4236



64.6653, 70.6308, 69.0553

Square

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



70.7798, 70.6308, 80.4236



68.3501, 70.6308, 67.0926



63.6126, 70.6308, 73.4904



65.9294, 70.6308, 87.6302

Rectangle

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



70.7798, 70.6308, 80.4236



70.4150, 70.6308, 71.4083



63.6126, 70.6308, 73.4904



63.9536, 70.6308, 82.6767

Sweetspot

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



70.7818, 70.6339, 80.4251



93.0816, 96.6439, 106.4537



68.6777, 69.4208, 86.1247



19.9439, 20.7209, 22.8112



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.



70.7818, 70.6339, 80.4251



86.5613, 85.5816, 98.1811



69.6192, 70.1688, 74.3030



14.7104, 14.5014, 16.6755



20.7343, 10.4280, 12.7619



1.5788, 0.7892, 1.1885

Inverse Universe

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



70.7818, 70.6339, 80.4251



86.5613, 85.5816, 98.1811



70.9859, 77.7692, 86.7240



14.7104, 14.5014, 16.6755



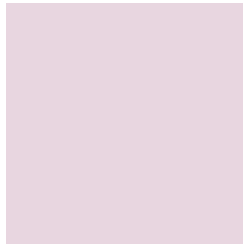
20.7343, 10.4280, 12.7619



1.5788, 0.7892, 1.1885

Previews

White Background



This preview shows how the XYZ color 70.7798, 70.6308, 80.4236 looks on a white background.

Color Contrast Check

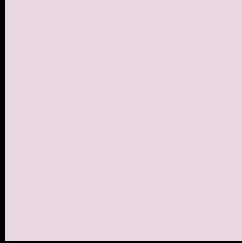
Large Text (above 18pt) WCAG AA × Fail

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 70.7798, 70.6308, 80.4236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

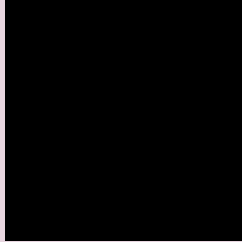
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7798, 70.6308, 80.4236

Background



This preview shows how black text looks on a background with the XYZ color 70.7798, 70.6308, 80.4236.

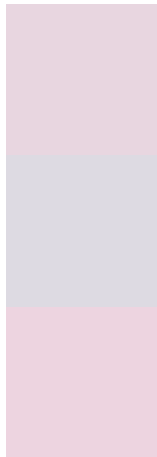


This preview shows how white text looks on a background with the XYZ color 70.7798, 70.6308,

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

70.7798, 70.6308, 80.4236

Protanopia

68.6177, 71.0059, 82.0405

Deuteranopia

71.9231, 70.4733, 80.3330



Tritanopia

71.6815, 70.6253, 84.7169

Trichromacy



Original Color

70.7798, 70.6308, 80.4236

Protanomaly

69.4548, 71.0695, 81.2913

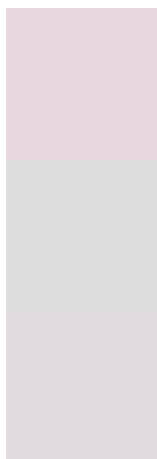
Deuteranomaly

71.5097, 70.6325, 80.3855

Tritanomaly

71.4021, 70.5136, 83.2460

Monochromacy



Original Color

70.7798, 70.6308, 80.4236

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.3076, 71.4243, 79.2406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7798, 70.6308, 80.4236 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(232, 214, 224) looks like.

```
.text, #text, p{  
    color:rgb(232, 214, 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(232, 214, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 214, 224) }
```

Border

The CSS property to change the border of an element to XYZ 70.7798, 70.6308, 80.4236 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(232, 214, 224) }
```


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

```
.border{ border-color:rgb(232, 214, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 214, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 214, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 214, 224);  
box-shadow:4px 4px 4px 4px rgb(232, 214,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7798, 70.6308, 80.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 214, 224) }
```

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

```
.background{ background-color: rgb(232,  
214, 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