

Converting Colors

XYZ(73.9552, 78.7862, 80.6750)

Have a look what the booklet for
XYZ(73.9552, 78.7862, 80.6750)
contains.

XYZ(73.7947, 78.5256, 80.3748)	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(73.7947, 78.5256,
80.3748)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E6DE
RGB	229, 230, 222
RGB Percent	90%, 90%, 87%
CMY	0.1020, 0.0980, 0.1294
CMYK	0.00, 0.00, 0.03, 0.10
HSL	68°, 14%, 89%
HSV	68°, 3%, 90%
XYZ	73.7947, 78.5256, 80.3748
YIQ	228.7890, 1.9720, -2.7000

Conversions

Conversions Part 2

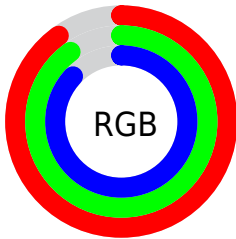
Format	Color
RYB	222, 230, 223
Decimal	15066846
CIELab	91.02, -1.74, 3.76
CIElCh	91, 4.147, 114.814
Yxy	78.5256, 0.3171, 0.3375
Android (android.graphics.Color)	4293256926 (0xFFE5E6DE)
YUV	228.7890, -3.3470, 0.1850
Hunter-Lab	88.6147, -6.4281, 8.2534

Details

The XYZ color **73.7947, 78.5256, 80.3748** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8388, 73.6459, 85.3485**, and the grayscale version is **74.3458, 78.2176, 85.1789**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7606, 42.4486, 42.6570** is the 20% darker color. If you saturate the color by 10%, you get **70.0073, 76.9076, 65.1884**, and if you desaturate by 10%, it is **78.0224, 80.3265, 97.7803**.

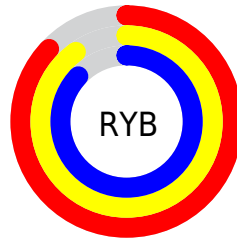
Distribution



Red (90%)

Green (90%)

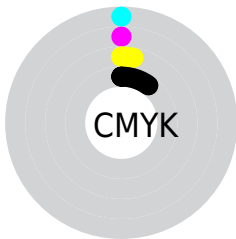
Blue (87%)



Red (87%)

Yellow (90%)

Blue (87%)

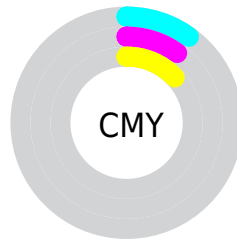


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (10%)



Cyan (10%)

Magenta (10%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7947, 78.5256, 80.3748 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 73.7947, 78.5256, 80.3748 by changing the saturation by 10% instead.

■ 73.7947, 78.5256,
80.3748

■ 73.7947, 78.5256,
80.3748

462.8258,
489.9500, 515.9351

■ 54.9167, 58.5058,
59.4988

123.6018,
131.2908, 135.7087

■ 39.5686, 42.2155,
42.5922

155.2616,
164.8050, 171.0037

■ 27.3851, 29.2700,
29.2362

191.9128,
203.5862, 211.9422

■ 18.0007, 19.2852,
19.0125

233.9206,
248.0187, 258.9427

■ 11.0502, 11.8765,
11.5024

281.6504,
298.4869, 312.4236

■ 6.1681, 6.6597,
6.2874

335.4677,

■ 2.9892, 3.2502,

355.3753, 372.8037

2.9490

395.7377,
419.0682, 440.5013

■ 1.1481, 1.2637,
1.0687

■ 0.0648, 0.1128,
0.0000

■ 73.7947, 78.5256,
80.3748

■ 73.7947, 78.5256,
80.3748

■ 70.0073, 76.9076,
65.1884

■ 78.0224, 80.3265,
97.7803

■ 66.6367, 75.4556,
52.1268

■ 80.5348, 81.4405,
106.0827

■ 63.6668, 74.1657,
41.0968

■ 81.4945, 81.9352,
106.1276

■ 61.0783, 73.0300,
31.9959

■ 82.4697, 82.4380,
106.1732

■ 58.8499, 72.0401,
24.7130

■ 83.4604, 82.9487,
106.2196

■ 56.9583, 71.1867,
19.1255

■ 84.4669, 83.4676,
106.2667

■ 55.3773, 70.4592,
15.0958

■ 85.4891, 83.9946,
106.3146

■ 54.0765, 69.8455,
12.4649

■ 86.5271, 84.5297,
106.3631

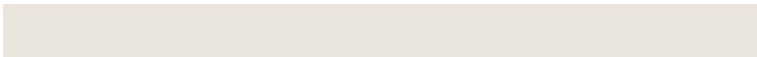
■ 53.0193, 69.3309,
11.0396

■ 87.5810, 85.0730,
106.4125

Harmonies

Analogous

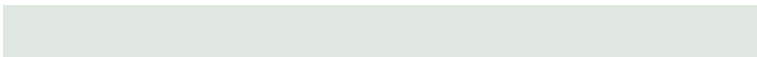
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8183, 78.5256, 79.8877



73.7947, 78.5256, 80.3748



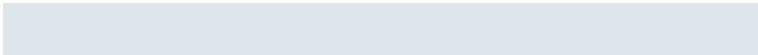
73.0033, 78.5256, 82.2222

Triad

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



73.7947, 78.5256, 80.3748



73.4824, 78.5256, 90.2993



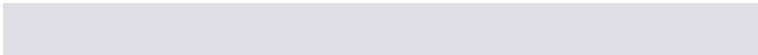
76.6588, 78.5256, 86.0231

Complementary

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



73.7947, 78.5256, 80.3748



70.8388, 73.6459, 85.3485

Split Complementary

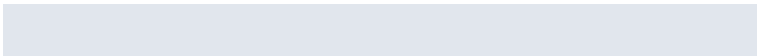
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2934, 78.5256, 88.8659



73.7947, 78.5256, 80.3748



74.4544, 78.5256, 91.3713

Square

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



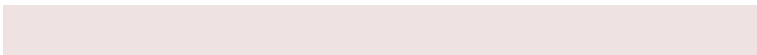
73.7947, 78.5256, 80.3748



72.8241, 78.5256, 87.9431



75.4841, 78.5256, 90.8407



76.4781, 78.5256, 83.1046

Rectangle

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



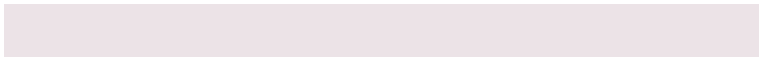
73.7947, 78.5256, 80.3748



72.7105, 78.5256, 83.9999



75.4841, 78.5256, 90.8407



76.5956, 78.5256, 87.0199

Sweetspot

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



73.7969, 78.5290, 80.3765



94.5245, 99.7762, 106.7465



72.1904, 74.8388, 79.7489



20.2377, 21.3586, 22.8708



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.



73.7969, 78.5290, 80.3765



92.9815, 99.1184, 100.4573



72.5565, 77.8896, 80.3185



15.8066, 16.8883, 16.8982



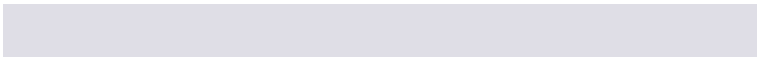
29.7494, 39.1179, 5.9825



2.2485, 2.9165, 0.4444

Inverse Universe

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



70.8388, 73.6459, 85.3485



88.6761, 92.0112, 107.6939



72.0643, 74.2776, 85.4059



14.9473, 15.4699, 18.3425



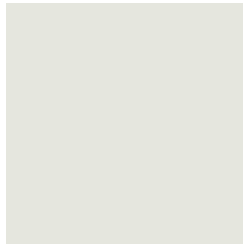
8.4260, 3.4096, 42.5972



0.6777, 0.2803, 3.1504

Previews

White Background



This preview shows how the XYZ color 73.7947, 78.5256, 80.3748 looks on a white background.

Color Contrast Check

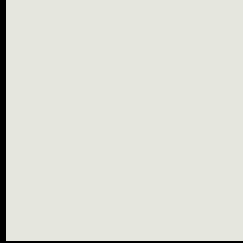
Large Text (above 18pt) WCAG AA × Fail

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 73.7947, 78.5256, 80.3748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

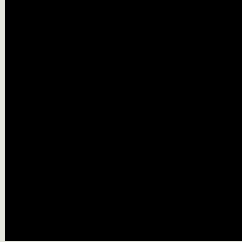
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

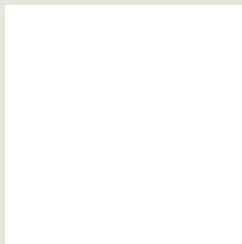
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.7947, 78.5256, 80.3748

Background



This preview shows how black text looks on a background with the XYZ color 73.7947, 78.5256, 80.3748.



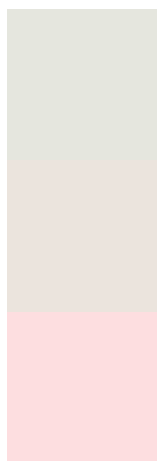
This preview shows how white text looks on a background with the XYZ color 73.7947, 78.5256,

80.3748.

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

73.7947, 78.5256, 80.3748

Protanopia

75.0555, 78.3694, 79.5776

Deuteranopia

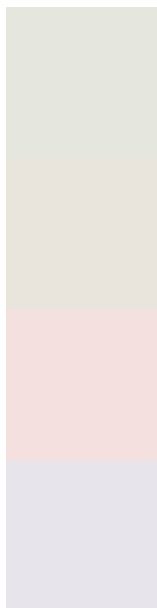
80.0838, 78.5070, 81.4535



Tritanopia

77.0769, 78.6256, 96.7018

Trichromacy



Original Color

73.7947, 78.5256, 80.3748

Protanomaly

74.6747, 78.5827, 79.6388

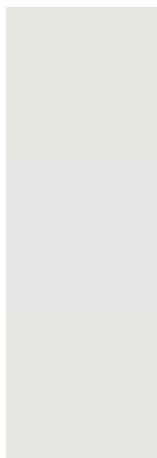
Deuteranomaly

77.5527, 78.4112, 80.8595

Tritanomaly

75.8387, 78.5319, 90.5179

Monochromacy



Original Color

73.7947, 78.5256, 80.3748

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.0599, 78.1876, 83.1399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.7947, 78.5256, 80.3748 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(229, 230, 222) looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 222)  
}
```

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(229, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 222) }
```

Border

The CSS property to change the border of an element to XYZ 73.7947, 78.5256, 80.3748 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(229, 230, 222) }
```


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

```
.border{ border-color:rgb(229, 230, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 230, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(229, 230,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7947, 78.5256, 80.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 230, 222) }
```

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

```
.background{ background-color: rgb(229,  
230, 222) }
```

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