

Converting Colors

XYZ(75.2432, 80.7584, 85.8196)

Have a look what the booklet for
XYZ(75.2432, 80.7584, 85.8196)
contains.

XYZ(75.2442, 80.8337, 85.7654)	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(75.2442, 80.8337,
85.7654)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EAE5
RGB	227, 234, 229
RGB Percent	89%, 92%, 90%
CMY	0.1098, 0.0823, 0.1020
CMYK	0.03, 0.00, 0.02, 0.08
HSL	137°, 14%, 90%
HSV	137°, 3%, 92%
XYZ	75.2442, 80.8337, 85.7654
YIQ	231.3370, -2.5670, -3.0390

Conversions

Conversions Part 2

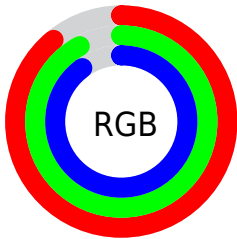
Format	Color
R_{YB}	227, 232, 234
Decimal	14936805
CIE Lab	92.06, -3.23, 1.60
CIE LCh	92, 3.602, 153.620
Yxy	80.8337, 0.3111, 0.3342
Android (android.graphics.Color)	4293126885 (0xFFE3EAE5)
YUV	231.3370, -1.1521, -3.8035
Hunter-Lab	89.9076, -7.9505, 6.3769

Details

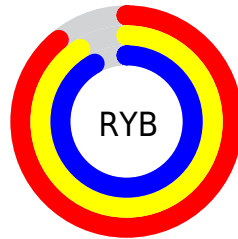
The XYZ color **75.2442, 80.8337, 85.7654** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.9692, 78.2588, 87.4493**, and the grayscale version is **76.2183, 80.1875, 87.3242**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5736, 43.6674, 46.3346** is the 20% darker color. If you saturate the color by 10%, you get **66.1365, 76.3976, 73.7357**, and if you desaturate by 10%, it is **85.5844, 85.8837, 99.0296**.

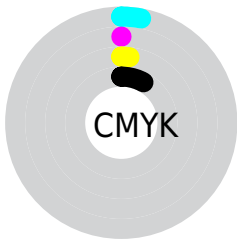
Distribution



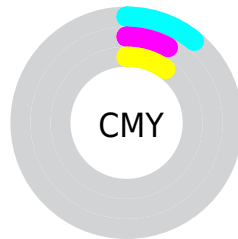
- Red (89%)
- Green (92%)
- Blue (90%)



- Red (89%)
- Yellow (91%)
- Blue (92%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2442, 80.8337, 85.7654 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 75.2442, 80.8337, 85.7654 by changing the saturation by 10% instead.

■ 75.2442, 80.8337,
85.7654

■ 75.2442, 80.8337,
85.7654

467.7408,
497.7380, 534.3678

■ 56.1079, 60.4046,
63.9202

125.6440,
134.5372, 143.3257

■ 40.5267, 43.7449,
46.1403

157.6382,
168.5805, 179.8779

■ 28.1355, 30.4700,
32.0071

194.6491,
207.9306, 222.1695

■ 18.5688, 20.1956,
21.1020

237.0420,
252.9720, 270.6191

■ 11.4613, 12.5373,
13.0066

285.1822,
304.0891, 325.6452

■ 6.4476, 7.1107,
7.3023

339.4352,

■ 3.1623, 3.5314,

361.6662, 387.6663

3.5706

400.1663,
426.0877, 457.1010

■ 1.2402, 1.4151,
1.3929

■ 0.1377, 0.2278,
0.1361

■ 75.2442, 80.8337,
85.7654

■ 75.2442, 80.8337,
85.7654

■ 66.1365, 76.3976,
73.7357

■ 85.5844, 85.8837,
99.0296

■ 58.2079, 72.5420,
62.9001

■ 88.7144, 87.3288,
106.7881

■ 51.4113, 69.2453,
53.2235

■ 45.6936, 66.4812,
44.6672

■ 40.9974, 64.2208,
37.1903

■ 37.2597, 62.4326,
30.7497

■ 34.4103, 61.0814,
25.2989

■ 32.3690, 60.1268,
20.7880

■ 31.0396, 59.5204,
17.1626

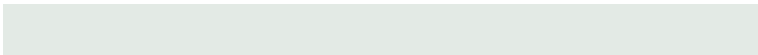
Harmonies

Analogous

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



75.8473, 80.8337, 83.8313



75.2442, 80.8337, 85.7654



75.0648, 80.8337, 88.3369

Triad

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



75.2442, 80.8337, 85.7654



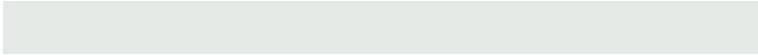
76.9426, 80.8337, 93.2077



78.3239, 80.8337, 85.2179

Complementary

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



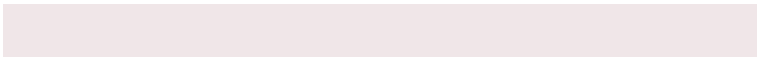
75.2442, 80.8337, 85.7654



75.9692, 78.2588, 87.4493

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.



78.6227, 80.8337, 87.6922



75.2442, 80.8337, 85.7654



77.8212, 80.8337, 92.3339

Square

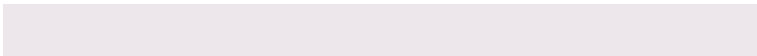
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.2442, 80.8337, 85.7654



76.0407, 80.8337, 92.6671



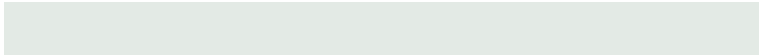
78.4379, 80.8337, 90.3019



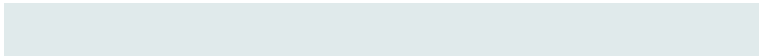
77.6247, 80.8337, 83.5197

Rectangle

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



75.2442, 80.8337, 85.7654



75.2084, 80.8337, 90.0754



78.4379, 80.8337, 90.3019



78.4747, 80.8337, 85.9846

Sweetspot

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



75.2465, 80.8372, 85.7672



93.8261, 99.4028, 107.3189



76.5753, 81.5543, 84.3796



20.0955, 21.2826, 22.9874



0.0000, 0.0000, 0.0000



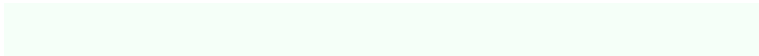
20.3446, 21.4041, 23.3091

Same Dimension

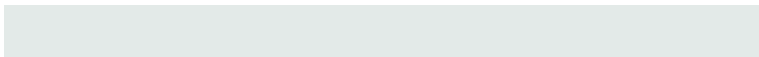
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2465, 80.8372, 85.7672



90.2452, 97.6560, 102.6667



75.7383, 81.0339, 88.3571



15.9936, 17.3951, 18.1699



17.1472, 33.3134, 8.7404



1.3866, 2.6320, 0.8979

Inverse Universe

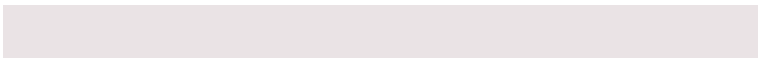
The Inverse Universe completely reimagines the original color for something new.



75.9692, 78.2588, 87.4493



91.4164, 93.4777, 105.3926



75.4787, 78.0626, 84.8665



16.2391, 16.5190, 18.7415



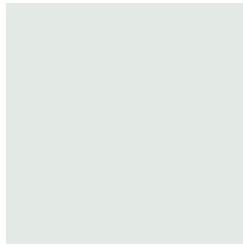
23.0532, 11.4240, 21.8794



1.8513, 0.9135, 1.9343

Previews

White Background



This preview shows how the XYZ color 75.2442, 80.8337, 85.7654 looks on a white background.

Color Contrast Check

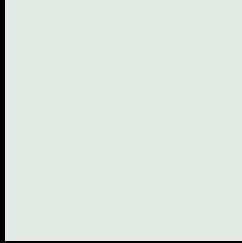
Large Text (above 18pt) WCAG AA × Fail

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 75.2442, 80.8337, 85.7654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

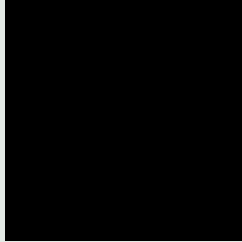
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

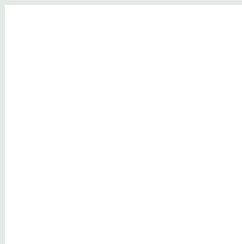
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.2442, 80.8337, 85.7654

Background



This preview shows how black text looks on a background with the XYZ color 75.2442, 80.8337, 85.7654.



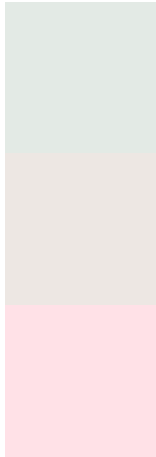
This preview shows how white text looks on a background with the XYZ color 75.2442, 80.8337,

85.7654.

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

75.2442, 80.8337, 85.7654

Protanopia

77.3661, 80.7024, 84.1725

Deuteranopia

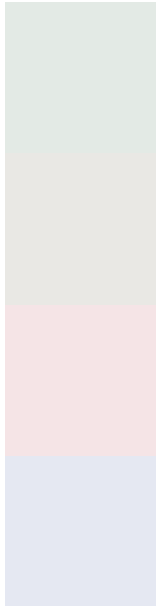
82.5890, 80.8799, 86.8598



Tritanopia

78.3079, 80.8144, 101.0940

Trichromacy



Original Color

75.2442, 80.8337, 85.7654

Protanomaly

76.4645, 80.6383, 84.9334

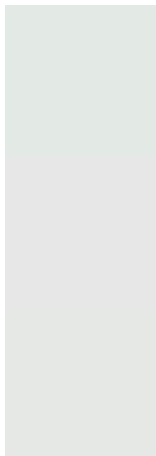
Deuteranomaly

79.6825, 80.6125, 86.2230

Tritanomaly

77.1967, 80.7820, 95.5282

Monochromacy



Original Color

75.2442, 80.8337, 85.7654

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.7727, 80.2494, 86.3589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2442, 80.8337, 85.7654 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(227, 234, 229) looks like.

```
.text, #text, p{  
    color:rgb(227, 234, 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(227, 234, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 234, 229) }
```

Border

The CSS property to change the border of an element to XYZ 75.2442, 80.8337, 85.7654 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(227, 234, 229) }
```


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

```
.border{ border-color:rgb(227, 234, 229) }
```

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

Here you see how a box with a 4 pixel rgb(227, 234, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 234, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 234, 229);  
box-shadow:4px 4px 4px 4px rgb(227, 234,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2442, 80.8337, 85.7654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 234, 229) }
```

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

```
.background{ background-color: rgb(227,  
234, 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](#).

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