

Converting Colors

XYZ(75.3750, 81.7909, 81.7150)

Have a look what the booklet for
XYZ(75.3750, 81.7909, 81.7150)
contains.

XYZ(75.3096, 81.8126, 81.6342)	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(75.3096, 81.8126,
81.6342)**

Conversions

Conversions Part 1

Format	Color
Hex	E4ECDF
RGB	228, 236, 223
RGB Percent	89%, 93%, 87%
CMY	0.1059, 0.0745, 0.1255
CMYK	0.03, 0.00, 0.06, 0.07
HSL	97°, 26%, 90%
HSV	97°, 6%, 93%
XYZ	75.3096, 81.8126, 81.6342
YIQ	232.1260, -0.5950, -5.7390

Conversions

Conversions Part 2

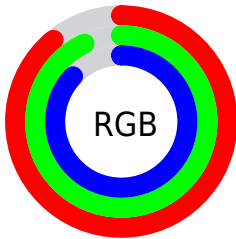
Format	Color
R _Y B	223, 236, 231
Decimal	15002847
CIE Lab	92.49, -4.97, 5.36
CIE LCh	92, 7.310, 132.790
Yxy	81.8126, 0.3154, 0.3427
Android (android.graphics.Color)	4293192927 (0xFFE4ECDF)
YUV	232.1260, -4.4991, -3.6185
Hunter-Lab	90.4503, -9.6676, 9.8042

Details

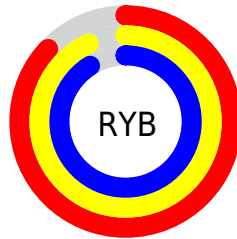
The XYZ color **75.3096, 81.8126, 81.6342** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.4862, 75.8227, 90.0705**, and the grayscale version is **76.8310, 80.8322, 88.0262**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6227, 44.3539, 43.4659** is the 20% darker color. If you saturate the color by 10%, you get **67.9308, 78.3535, 65.8207**, and if you desaturate by 10%, it is **83.5238, 85.6559, 99.8053**.

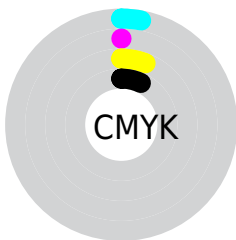
Distribution



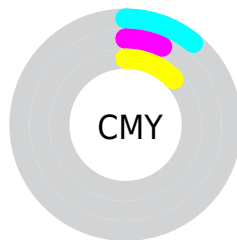
- Red (89%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (91%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3096, 81.8126, 81.6342 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 75.3096, 81.8126, 81.6342 by changing the saturation by 10% instead.

■ 75.3096, 81.8126,
81.6342

■ 75.3096, 81.8126,
81.6342

467.9618,
501.0206, 520.2746

■ 56.1616, 61.2111,
60.5300

125.7361,
135.9112, 137.4930

■ 40.5700, 44.3955,
43.4179

157.7453,
170.1770, 173.0846

■ 28.1695, 30.9816,
29.8793

194.7723,
209.7664, 214.3426

■ 18.5945, 20.5848,
19.4957

237.1825,
255.0638, 261.6852

■ 11.4799, 12.8209,
11.8486

285.3412,
306.4535, 315.5312

■ 6.4603, 7.3053,
6.5194

339.6137,

■ 3.1702, 3.6538,

364.3199, 376.2991

3.0895

400.3655,
429.0475, 444.4074

■ 1.2444, 1.4818,
1.1405

■ 0.1410, 0.2759,
0.0000

■ 75.3096, 81.8126,
81.6342

■ 75.3096, 81.8126,
81.6342

■ 67.9308, 78.3535,
65.8207

■ 83.5238, 85.6559,
99.8053

■ 61.3530, 75.2557,
52.2631

■ 89.2871, 88.4741,
106.9790

■ 55.5489, 72.5100,
40.8598

■ 50.4874, 70.1026,
31.4998

■ 46.1347, 68.0189,
24.0617

■ 42.4544, 66.2428,
18.4117

■ 39.4059, 64.7569,
14.3985

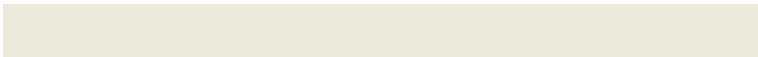
■ 36.9434, 63.5414,
11.8459

■ 35.0124, 62.5729,
10.5369

Harmonies

Analogous

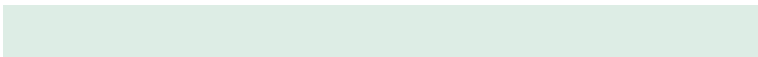
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9560, 81.8126, 79.2794



75.3096, 81.8126, 81.6342



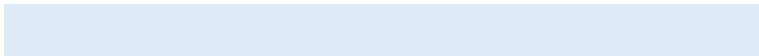
74.3291, 81.8126, 86.0259

Triad

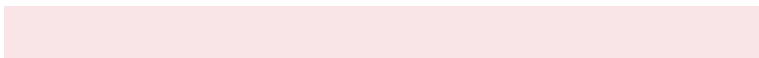
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.3096, 81.8126, 81.6342



76.6866, 81.8126, 99.4323



81.3708, 81.8126, 86.7881

Complementary

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



75.3096, 81.8126, 81.6342



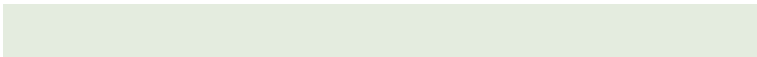
74.4862, 75.8227, 90.0705

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.



81.2958, 81.8126, 92.2056



75.3096, 81.8126, 81.6342



78.5705, 81.8126, 99.6568

Square

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



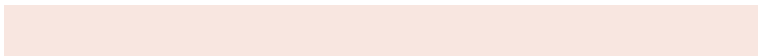
75.3096, 81.8126, 81.6342



75.1151, 81.8126, 96.3640



80.2638, 81.8126, 96.9653



80.4671, 81.8126, 82.1726

Rectangle

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



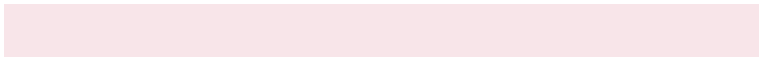
75.3096, 81.8126, 81.6342



74.1750, 81.8126, 89.5893



80.2638, 81.8126, 96.9653



81.4596, 81.8126, 88.5726

Sweetspot

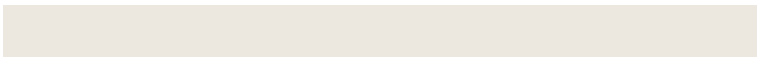
The Sweet Spot groups the original color and five complimentary colors.



75.3119, 81.8161, 81.6360



93.0941, 99.0853, 104.5791



76.4346, 80.2038, 81.2656



19.9465, 21.2179, 22.4295



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

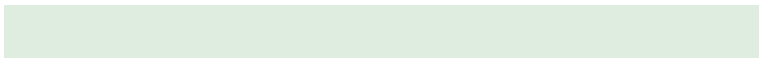
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3119, 81.8161, 81.6360



88.3806, 96.8786, 94.2770



73.9246, 81.0806, 82.4899



15.7203, 17.2871, 16.6721



19.0315, 34.3556, 5.6282



1.5989, 2.7516, 0.4468

Inverse Universe

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



74.4862, 75.8227, 90.0705



87.1378, 87.8569, 106.9732



75.9349, 76.5912, 89.1555



15.4817, 15.5556, 19.1088



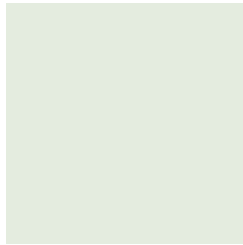
14.9571, 6.7466, 44.2569



1.2813, 0.5848, 3.4802

Previews

White Background



This preview shows how the XYZ color 75.3096, 81.8126, 81.6342 looks on a white background.

Color Contrast Check

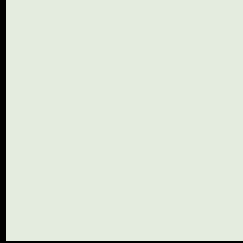
Large Text (above 18pt) WCAG AA × Fail

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 75.3096, 81.8126, 81.6342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

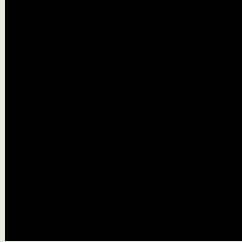
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

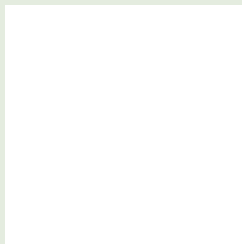
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.3096, 81.8126, 81.6342

Background



This preview shows how black text looks on a background with the XYZ color 75.3096, 81.8126, 81.6342.



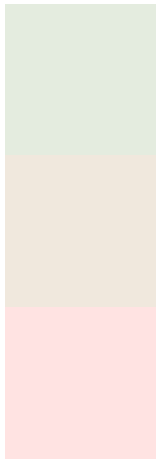
This preview shows how white text looks on a background with the XYZ color 75.3096, 81.8126,

81.6342.

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

75.3096, 81.8126, 81.6342

Protanopia

77.8429, 81.4589, 80.0270

Deuteranopia

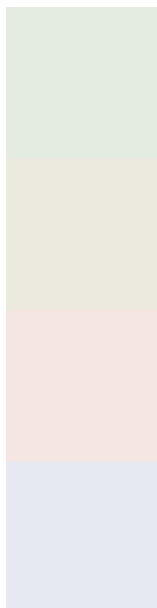
82.4366, 81.6892, 83.3742



Tritanopia

79.3906, 81.7712, 102.0416

Trichromacy



Original Color

75.3096, 81.8126, 81.6342

Protanomaly

76.9158, 81.3846, 80.7621

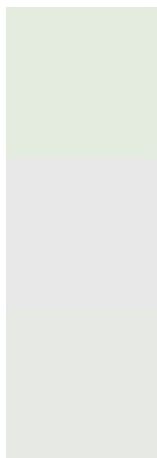
Deuteranomaly

79.5436, 81.4423, 82.7617

Tritanomaly

77.8221, 81.5580, 94.0787

Monochromacy



Original Color

75.3096, 81.8126, 81.6342

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.2368, 80.9239, 85.7305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3096, 81.8126, 81.6342 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(228, 236, 223) looks like.

```
.text, #text, p{  
    color:rgb(228, 236, 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(228, 236, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 236, 223) }
```

Border

The CSS property to change the border of an element to XYZ 75.3096, 81.8126, 81.6342 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(228, 236, 223) }
```


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

```
.border{ border-color:rgb(228, 236, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 236, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 236, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 236, 223);  
box-shadow:4px 4px 4px 4px rgb(228, 236,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3096, 81.8126, 81.6342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 236, 223) }
```

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

```
.background{ background-color: rgb(228,  
236, 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](#).

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