

Converting Colors

XYZ(75.7785, 80.9894, 83.5904)

Have a look what the booklet for
XYZ(75.7785, 80.9894, 83.5904)
contains.

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Color

**XYZ(75.7834, 81.1596,
83.6227)**

Conversions

Conversions Part 1

Format	Color
Hex	E6EAE2
RGB	230, 234, 226
RGB Percent	90%, 92%, 89%
CMY	0.0980, 0.0823, 0.1137
CMYK	0.02, 0.00, 0.03, 0.08
HSL	90°, 16%, 90%
HSV	90°, 3%, 92%
XYZ	75.7834, 81.1596, 83.6227
YIQ	231.8920, 0.1840, -3.3360

Conversions

Conversions Part 2

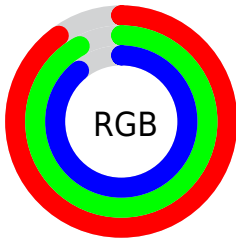
Format	Color
R _Y B	226, 234, 230
Decimal	15133410
CIE Lab	92.20, -2.75, 3.40
CIE LCh	92, 4.374, 128.951
Yxy	81.1596, 0.3150, 0.3374
Android (android.graphics.Color)	4293323490 (0xFFE6EAE2)
YUV	231.8920, -2.9048, -1.6593
Hunter-Lab	90.0886, -7.4992, 8.0275

Details

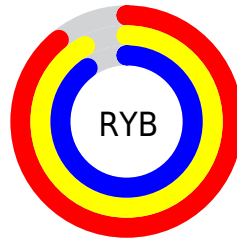
The XYZ color **75.7834, 81.1596, 83.6227** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.6839, 77.1585, 88.8029**, and the grayscale version is **76.6439, 80.6353, 87.8119**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9503, 43.8950, 44.8424** is the 20% darker color. If you saturate the color by 10%, you get **69.1580, 78.0925, 67.6794**, and if you desaturate by 10%, it is **83.1040, 84.5391, 101.8895**.

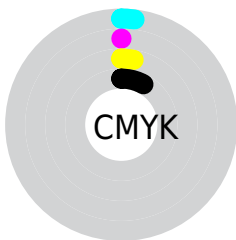
Distribution



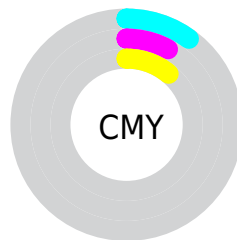
- Red (90%)
- Green (92%)
- Blue (89%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7834, 81.1596, 83.6227 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 75.7834, 81.1596, 83.6227 by changing the saturation by 10% instead.

■ 75.7834, 81.1596,
83.6227

■ 75.7834, 81.1596,
83.6227

469.5617,
498.8322, 527.0847

■ 56.5513, 60.6731,
62.1604

126.4027,
134.9948, 140.3043

■ 40.8839, 43.9614,
44.7257

158.5206,
169.1123, 176.3606

■ 28.4156, 30.6401,
30.9000

195.6645,
208.5423, 218.1188

■ 18.7813, 20.3250,
20.2649

238.1998,
253.6690, 265.9972

■ 11.6154, 12.6315,
12.4018

286.4918,
304.8770, 320.4145

■ 6.5527, 7.1753,
6.8921

340.9059,

■ 3.2278, 3.5720,

362.5506, 381.7891

3.3173

401.8074,
427.0742, 450.5397

■ 1.2753, 1.4371,
1.2588

■ 0.1646, 0.2438,
0.0277

■ 75.7834, 81.1596,
83.6227

■ 75.7834, 81.1596,
83.6227

■ 69.1580, 78.0925,
67.6794

■ 83.1040, 84.5391,
101.8895

■ 63.1985, 75.3177,
53.9611

■ 88.1337, 87.0294,
106.7610

■ 57.8831, 72.8285,
42.3704

■ 88.7144, 87.3288,
106.7881

■ 53.1865, 70.6143,
32.8001

■ 49.0812, 68.6634,
25.1342

■ 45.5373, 66.9631,
19.2446

■ 42.5217, 65.4996,
14.9875

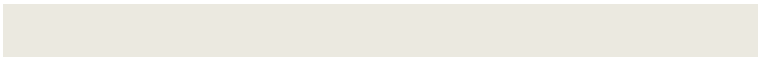
■ 39.9970, 64.2572,
12.1967

■ 37.9184, 63.2173,
10.6706

Harmonies

Analogous

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



76.8026, 81.1596, 82.3701



75.7834, 81.1596, 83.6227



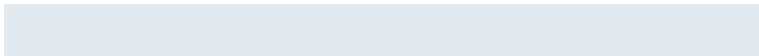
75.1319, 81.1596, 86.1552

Triad

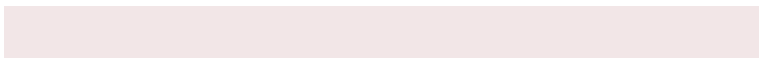
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.7834, 81.1596, 83.6227



76.3629, 81.1596, 94.2978



79.3036, 81.1596, 87.4055

Complementary

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



75.7834, 81.1596, 83.6227



74.6839, 77.1585, 88.8029

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.



79.1831, 81.1596, 90.6204



75.7834, 81.1596, 83.6227



77.4779, 81.1596, 94.6524

Square

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



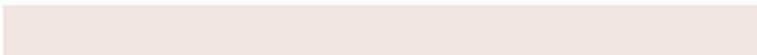
75.7834, 81.1596, 83.6227



75.4642, 81.1596, 92.3344



78.5122, 81.1596, 93.2916



78.8400, 81.1596, 84.5188

Rectangle

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



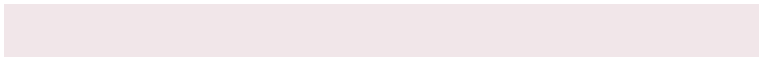
75.7834, 81.1596, 83.6227



74.9901, 81.1596, 88.2552



78.5122, 81.1596, 93.2916



79.3302, 81.1596, 88.4829

Sweetspot

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



75.7857, 81.1631, 83.6245



94.1743, 99.5957, 106.7302



75.9590, 79.5801, 83.3098



20.1664, 21.3218, 22.8675



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

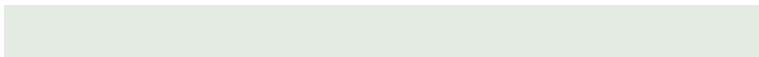
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7857, 81.1631, 83.6245



91.5984, 98.4054, 100.3926



74.5167, 80.5089, 83.5651



16.2767, 17.5519, 17.6948



20.7968, 35.2656, 5.7108



1.7440, 2.8264, 0.4536

Inverse Universe

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



74.6839, 77.1585, 88.8029



90.0315, 92.7099, 107.7574



75.9824, 77.8279, 88.8636



15.9481, 16.3577, 19.2390



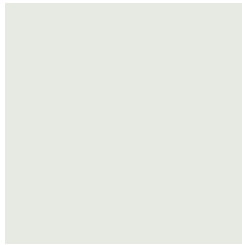
12.6183, 5.5409, 44.1474



1.1018, 0.4923, 3.4718

Previews

White Background



This preview shows how the XYZ color 75.7834, 81.1596, 83.6227 looks on a white background.

Color Contrast Check

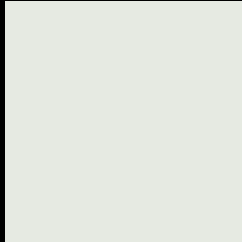
Large Text (above 18pt) WCAG AA × Fail

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 75.7834, 81.1596, 83.6227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

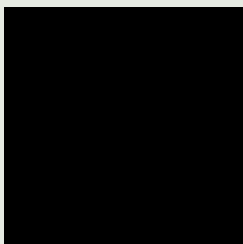
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

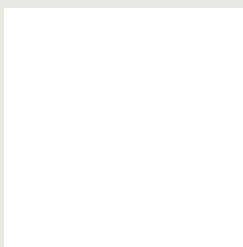
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7834, 81.1596, 83.6227

Background



This preview shows how black text looks on a background with the XYZ color 75.7834, 81.1596, 83.6227.



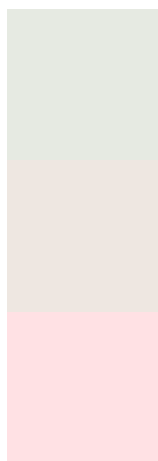
This preview shows how white text looks on a background with the XYZ color 75.7834, 81.1596,

83.6227.

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

75.7834, 81.1596, 83.6227

Protanopia

77.4264, 80.7652, 82.7426

Deuteranopia

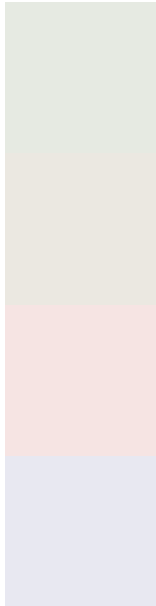
82.1688, 80.7119, 84.6470



Tritanopia

79.2791, 81.3150, 101.1394

Trichromacy



Original Color

75.7834, 81.1596, 83.6227

Protanomaly

76.7082, 80.8116, 82.7894

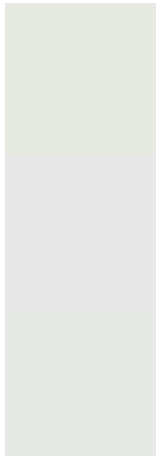
Deuteranomaly

79.6146, 80.6257, 84.0392

Tritanomaly

78.0125, 81.2199, 94.7844

Monochromacy



Original Color

75.7834, 81.1596, 83.6227

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.3768, 80.9799, 86.4681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7834, 81.1596, 83.6227 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(230, 234, 226) looks like.

```
.text, #text, p{  
    color:rgb(230, 234, 226)  
}
```

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(230, 234, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 234, 226) }
```

Border

The CSS property to change the border of an element to XYZ 75.7834, 81.1596, 83.6227 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(230, 234, 226) }
```


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

```
.border{ border-color:rgb(230, 234, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 234, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 234, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 234, 226);  
box-shadow:4px 4px 4px 4px rgb(230, 234,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7834, 81.1596, 83.6227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 234, 226) }
```

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

```
.background{ background-color: rgb(230,  
234, 226) }
```

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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