

Converting Colors

XYZ(77.3581, 81.9395, 85.1375)

Have a look what the booklet for
XYZ(77.3581, 81.9395, 85.1375)
contains.

XYZ(77.3581, 81.9395, 85.1375)	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(77.3581, 81.9395,
85.1375)**

Conversions

Conversions Part 1

Format	Color
Hex	EAEAE4
RGB	234, 234, 228
RGB Percent	92%, 92%, 89%
CMY	0.0823, 0.0823, 0.1059
CMYK	0.00, 0.00, 0.03, 0.08
HSL	60°, 13%, 91%
HSV	60°, 3%, 92%
XYZ	77.3581, 81.9395, 85.1375
YIQ	233.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

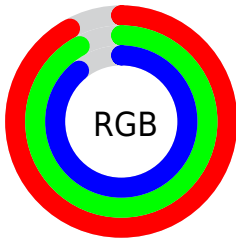
Format	Color
R _Y B	228, 234, 228
Decimal	15395556
CIE Lab	92.55, -1.05, 2.90
CIE LCh	93, 3.082, 109.909
Yxy	81.9395, 0.3165, 0.3352
Android (android.graphics.Color)	4293585636 (0xFFEAEAE4)
YUV	233.3160, -2.6208, 0.5999
Hunter-Lab	90.5204, -5.8660, 7.6001

Details

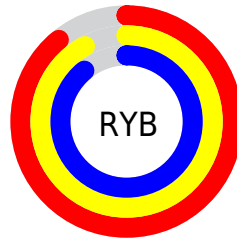
The XYZ color **77.3581, 81.9395, 85.1375** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.5927, 77.9235, 88.9554**, and the grayscale version is **77.7102, 81.7572, 89.0336**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8233, 44.3229, 45.8860** is the 20% darker color. If you saturate the color by 10%, you get **74.3225, 80.7273, 69.1702**, and if you desaturate by 10%, it is **80.8380, 83.3347, 103.4242**.

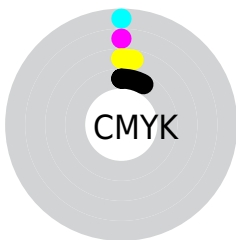
Distribution



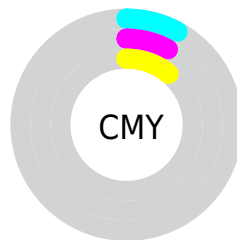
- Red (92%)
- Green (92%)
- Blue (89%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3581, 81.9395, 85.1375 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 77.3581, 81.9395, 85.1375 by changing the saturation by 10% instead.

■ 77.3581, 81.9395,
85.1375

■ 77.3581, 81.9395,
85.1375

474.8573,
501.4453, 532.2394

■ 57.8478, 61.3157,
63.4042

128.6150,
136.0892, 142.4411

■ 41.9291, 44.4800,
45.7252

161.0923,
170.3838, 178.8485

■ 29.2366, 31.0480,
31.6819

198.6227,
210.0041, 220.9844

■ 19.4051, 20.6354,
20.8559

241.5714,
255.3345, 269.2673

■ 12.0691, 12.8578,
12.8285

290.3039,
306.7595, 324.1156

■ 6.8633, 7.3307,
7.1812

345.1854,

■ 3.4223, 3.6698,

364.6633, 385.9481

3.4955

406.5815,
429.4305, 455.1832

■ 1.3808, 1.4906,
1.3529

■ 0.2425, 0.2821,
0.1045

■ 77.3581, 81.9395,
85.1375

■ 77.3581, 81.9395,
85.1375

■ 74.3225, 80.7273,
69.1702

■ 80.8380, 83.3347,
103.4242

■ 71.7069, 79.6804,
55.4245

■ 81.4174, 83.5671,
106.4466

■ 69.4947, 78.7949,
43.8037

■ 81.4228, 83.5698,
106.4469

■ 67.6660, 78.0628,
34.2018

■ 81.4281, 83.5726,
106.4471

66.1988, 77.4753,
26.5038

81.4335, 83.5754,
106.4474

65.0691, 77.0228,
20.5829

81.4389, 83.5782,
106.4477

64.2499, 76.6945,
16.2972

81.4443, 83.5810,
106.4479

63.7101, 76.4780,
13.4832

81.4497, 83.5838,
106.4482

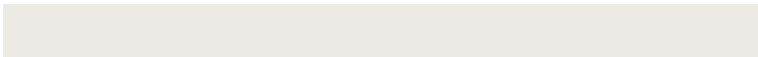
63.4124, 76.3582,
11.9432

81.4551, 83.5865,
106.4484

Harmonies

Analogous

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



78.1510, 81.9395, 84.9484



77.3581, 81.9395, 85.1375



76.7095, 81.9395, 86.4094

Triad

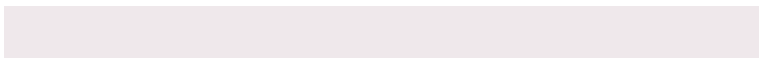
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3581, 81.9395, 85.1375



76.8940, 81.9395, 92.6330



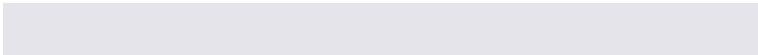
79.4062, 81.9395, 89.9928

Complementary

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



77.3581, 81.9395, 85.1375



74.5927, 77.9235, 88.9554

Split Complementary

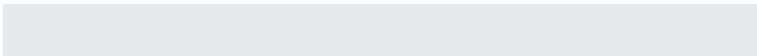
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0644, 81.9395, 92.0872



77.3581, 81.9395, 85.1375



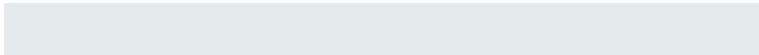
77.6117, 81.9395, 93.6287

Square

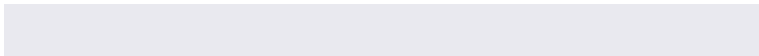
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



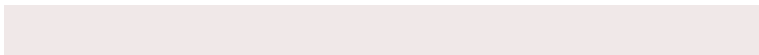
77.3581, 81.9395, 85.1375



76.4428, 81.9395, 90.7276



78.4063, 81.9395, 93.4272



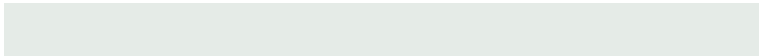
79.3372, 81.9395, 87.7256

Rectangle

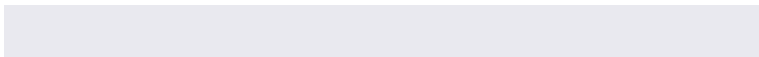
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



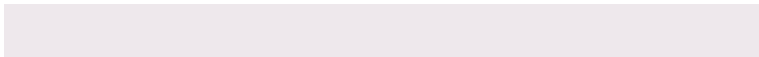
77.3581, 81.9395, 85.1375



76.4445, 81.9395, 87.7125



78.4063, 81.9395, 93.4272



79.3355, 81.9395, 90.7410

Sweetspot

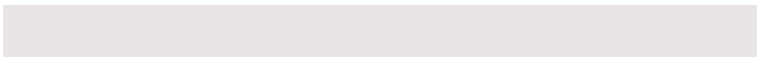
The Sweet Spot groups the original color and five complimentary colors.



77.3604, 81.9430, 85.1393



94.6414, 99.8365, 106.7520



75.6812, 78.5826, 84.5792



20.2615, 21.3708, 22.8720



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.



77.3604, 81.9430, 85.1393



93.8406, 99.5160, 102.5417



76.3844, 81.4399, 85.0936



16.7310, 17.7785, 18.0571



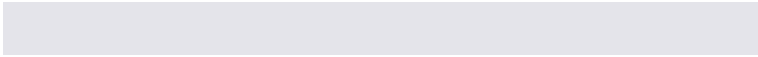
35.5720, 42.8825, 6.4023



2.7936, 3.3675, 0.5028

Inverse Universe

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



74.5927, 77.9235, 88.9554



89.9011, 93.7946, 107.9736



75.5521, 78.4181, 89.0003



15.8502, 16.4994, 19.2716



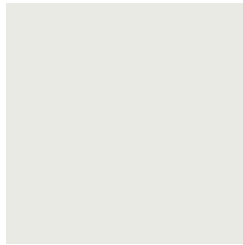
8.3472, 3.3391, 43.9475



0.6558, 0.2624, 3.4510

Previews

White Background



This preview shows how the XYZ color 77.3581, 81.9395, 85.1375 looks on a white background.

Color Contrast Check

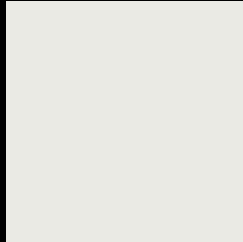
Large Text (above 18pt) WCAG AA × Fail

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 77.3581, 81.9395, 85.1375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

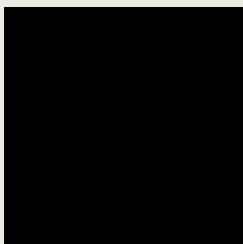
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

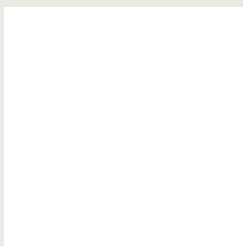
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3581, 81.9395, 85.1375

Background



This preview shows how black text looks on a background with the XYZ color 77.3581, 81.9395, 85.1375.



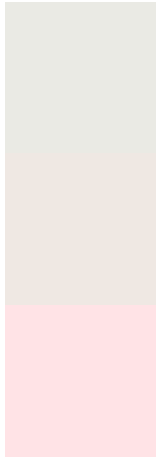
This preview shows how white text looks on a background with the XYZ color 77.3581, 81.9395,

85.1375.

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

77.3581, 81.9395, 85.1375

Protanopia

78.3183, 81.6100, 84.2975

Deuteranopia

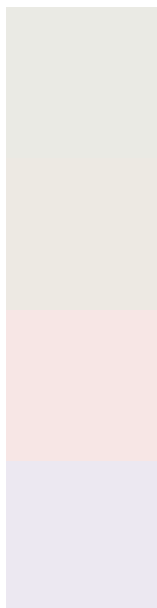
82.9920, 81.9113, 86.2992



Tritanopia

80.5998, 81.9959, 101.2013

Trichromacy



Original Color

77.3581, 81.9395, 85.1375

Protanomaly

77.9291, 81.8284, 84.3602

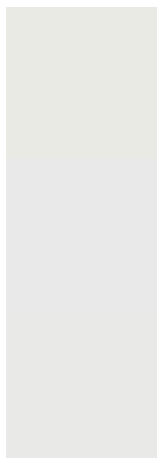
Deuteranomaly

80.7974, 82.0249, 85.7027

Tritanomaly

79.3259, 81.8970, 94.8459

Monochromacy



Original Color

77.3581, 81.9395, 85.1375

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.1670, 81.3710, 87.2403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3581, 81.9395, 85.1375 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(234, 234, 228) looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 228)  
}
```

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(234, 234, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 228) }
```

Border

The CSS property to change the border of an element to XYZ 77.3581, 81.9395, 85.1375 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(234, 234, 228) }
```


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

```
.border{ border-color:rgb(234, 234, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 234, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 234, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 234, 228);  
box-shadow:4px 4px 4px 4px rgb(234, 234,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3581, 81.9395, 85.1375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 234, 228) }
```

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

```
.background{ background-color: rgb(234,  
234, 228) }
```

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