

Converting Colors

XYZ(78.0769, 81.4507, 85.4771)

Have a look what the booklet for
XYZ(78.0769, 81.4507, 85.4771)
contains.

XYZ(78.2594, 81.5475, 85.7443)	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(78.2594, 81.5475,
85.7443)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE8E5
RGB	238, 232, 229
RGB Percent	93%, 91%, 90%
CMY	0.0667, 0.0902, 0.1020
CMYK	0.00, 0.03, 0.04, 0.07
HSL	20°, 21%, 92%
HSV	20°, 4%, 93%
XYZ	78.2594, 81.5475, 85.7443
YIQ	233.4520, 4.5390, 0.3390

Conversions

Conversions Part 2

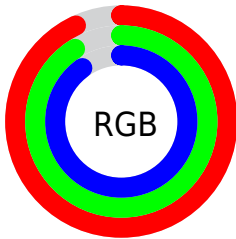
Format	Color
R _Y B	238, 234, 229
Decimal	15657189
CIE Lab	92.37, 1.50, 2.16
CIE LCh	92, 2.634, 55.184
Yxy	81.5475, 0.3187, 0.3321
Android (android.graphics.Color)	4293847269 (0xFFEEE8E5)
YUV	233.4520, -2.1948, 3.9886
Hunter-Lab	90.3037, -3.3388, 6.9161

Details

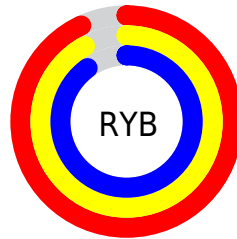
The XYZ color **78.2594, 81.5475, 85.7443** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4541, 82.2467, 92.6830**, and the grayscale version is **77.8083, 81.8604, 89.1460**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4567, 44.0517, 46.3095** is the 20% darker color. If you saturate the color by 10%, you get **70.8984, 71.7833, 68.0040**, and if you desaturate by 10%, it is **86.4834, 92.3065, 106.0219**.

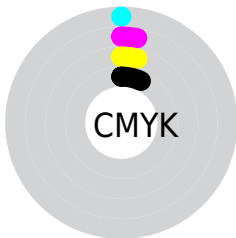
Distribution



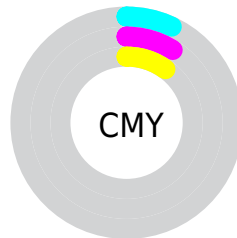
- Red (93%)
- Green (91%)
- Blue (90%)



- Red (93%)
- Yellow (92%)
- Blue (90%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2594, 81.5475, 85.7443 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 78.2594, 81.5475, 85.7443 by changing the saturation by 10% instead.

■ 78.2594, 81.5475,
85.7443

■ 78.2594, 81.5475,
85.7443

477.8737,
500.1328, 534.2964

■ 58.5906, 60.9926,
63.9029

129.8792,
135.5393, 143.2960

■ 42.5288, 44.2192,
46.1263

162.5609,
169.7449, 179.8433

■ 29.7085, 30.8429,
31.9961

200.3109,
209.2696, 222.1297

■ 19.7644, 20.4792,
21.0938

243.4946,
254.4978, 270.5737

■ 12.3311, 12.7439,
13.0006

292.4774,
305.8138, 325.5938

■ 7.0434, 7.2524,
7.2983

347.6246,

■ 3.5358, 3.6205,

363.6021, 387.6086

3.5681

409.3016,
428.2469, 457.0366

■ 1.4431, 1.4636,
1.3915

■ 0.2866, 0.2629,
0.1351

■ 78.2594, 81.5475,
85.7443

■ 78.2594, 81.5475,
85.7443

■ 70.8984, 71.7833,
68.0040

■ 86.4834, 92.3065,
106.0219

■ 64.3644, 62.9746,
52.6953

■ 89.0704, 96.9174,
108.6202

■ 58.6291, 55.0952,
39.7124

■ 53.6597, 48.1133,
28.9402

■ 49.4211, 41.9957,
20.2533

■ 45.8752, 36.7065,
13.5137

■ 42.9798, 32.2074,
8.5666

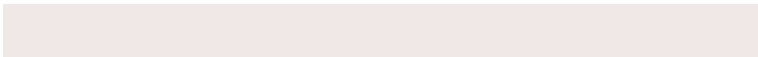
■ 40.6875, 28.4562,
5.2331

■ 38.9426, 25.4061,
3.2959

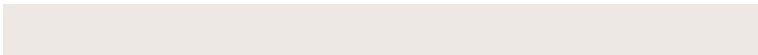
Harmonies

Analogous

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



78.7009, 81.5475, 87.2032



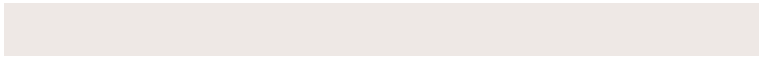
78.2594, 81.5475, 85.7443



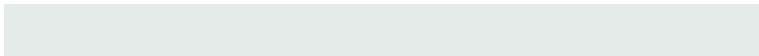
77.6186, 81.5475, 85.1022

Triad

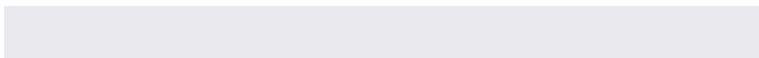
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2594, 81.5475, 85.7443



76.2094, 81.5475, 88.4765



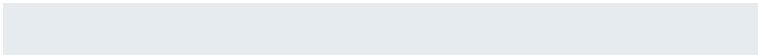
78.0677, 81.5475, 92.2327

Complementary

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



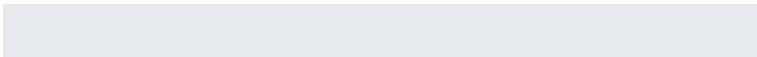
78.2594, 81.5475, 85.7443



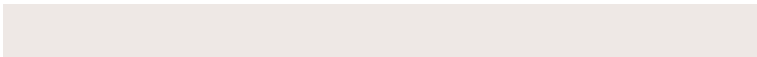
77.4541, 82.2467, 92.6830

Split Complementary

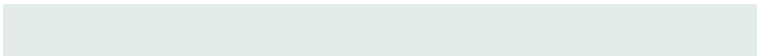
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3984, 81.5475, 92.5856



78.2594, 81.5475, 85.7443



76.3281, 81.5475, 90.3987

Square

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



78.2594, 81.5475, 85.7443



76.4371, 81.5475, 86.6648



76.7623, 81.5475, 91.9098



78.5898, 81.5475, 90.9524

Rectangle

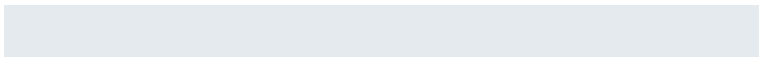
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



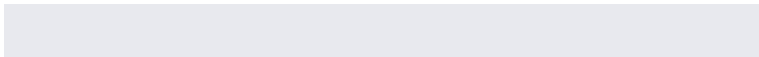
78.2594, 81.5475, 85.7443



77.1656, 81.5475, 85.2168



76.7623, 81.5475, 91.9098



77.8523, 81.5475, 92.4645

Sweetspot

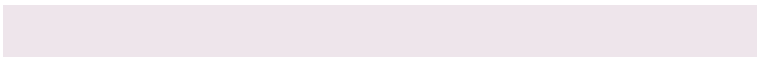
The Sweet Spot groups the original color and five complimentary colors.



78.2617, 81.5510, 85.7461



94.1025, 98.7577, 106.5722



78.2758, 80.2152, 89.9560



20.1518, 21.1513, 22.8354



0.0000, 0.0000, 0.0000



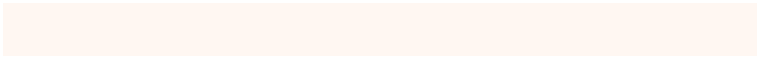
20.3446, 21.4041, 23.3091

Same Dimension

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



78.2617, 81.5510, 85.7461



90.4144, 93.9054, 97.5616



79.5436, 84.1148, 86.1734



16.8239, 17.4419, 18.0022



21.3553, 13.5087, 1.4819



1.8647, 1.3001, 0.1527

Inverse Universe

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



77.4541, 82.2467, 92.6830



89.1712, 94.9762, 108.2402



76.1831, 79.7047, 92.2593



16.5612, 17.6682, 20.2590



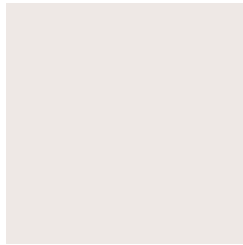
15.6085, 17.4413, 47.6717



1.3896, 1.6331, 3.9962

Previews

White Background



This preview shows how the XYZ color 78.2594, 81.5475, 85.7443 looks on a white background.

Color Contrast Check

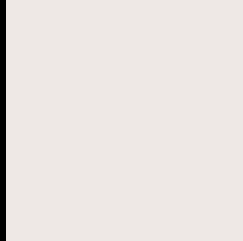
Large Text (above 18pt) WCAG AA × Fail

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 78.2594, 81.5475, 85.7443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

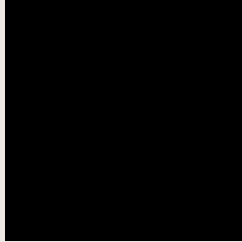
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

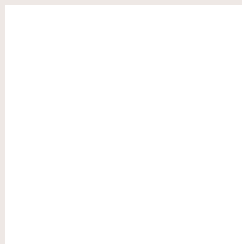
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2594, 81.5475, 85.7443

Background



This preview shows how black text looks on a background with the XYZ color 78.2594, 81.5475, 85.7443.



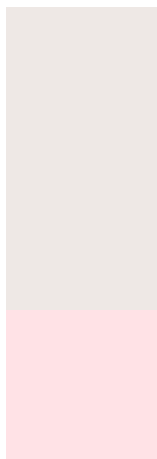
This preview shows how white text looks on a background with the XYZ color 78.2594, 81.5475,

85.7443.

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

78.2594, 81.5475, 85.7443

Protanopia

78.2594, 81.5475, 85.7443

Deuteranopia

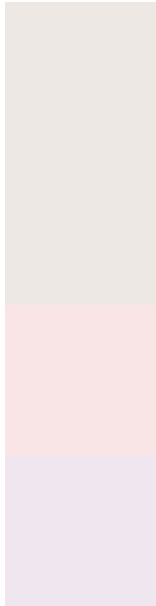
82.7193, 81.3659, 86.2083



Tritanopia

81.0834, 81.4548, 99.4445

Trichromacy



Original Color

78.2594, 81.5475, 85.7443

Protanomaly

78.2594, 81.5475, 85.7443

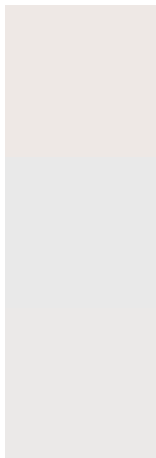
Deuteranomaly

81.0933, 81.3397, 86.2890

Tritanomaly

79.9602, 81.4102, 93.9375

Monochromacy



Original Color

78.2594, 81.5475, 85.7443

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.9654, 81.7662, 88.0172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2594, 81.5475, 85.7443 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(238, 232, 229) looks like.

```
.text, #text, p{  
    color:rgb(238, 232, 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(238, 232, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 232, 229) }
```

Border

The CSS property to change the border of an element to XYZ 78.2594, 81.5475, 85.7443 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(238, 232, 229) }
```


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

```
.border{ border-color:rgb(238, 232, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 232, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 232, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 232, 229);  
box-shadow:4px 4px 4px 4px rgb(238, 232,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2594, 81.5475, 85.7443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 232, 229) }
```

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

```
.background{ background-color: rgb(238,  
232, 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