

# Converting Colors

XYZ(78.5824, 84.4799, 80.4315)

Have a look what the booklet for  
XYZ(78.5824, 84.4799, 80.4315)  
contains.

<b>XYZ(78.5507, 84.3741, 80.5524)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(78.5507, 84.3741,  
80.5524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDEEDD
RGB	237, 238, 221
RGB Percent	93%, 93%, 87%
CMY	0.0706, 0.0666, 0.1333
CMYK	0.00, 0.00, 0.07, 0.07
HSL	64°, 33%, 90%
HSV	64°, 7%, 93%
XYZ	78.5507, 84.3741, 80.5524
YIQ	235.7630, 4.8610, -5.4990

# Conversions

## Conversions Part 2

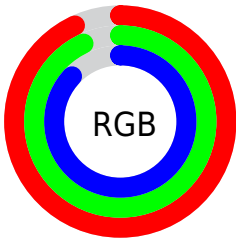
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 238, 222
Decimal	15593181
CIE Lab	93.61, -3.25, 8.10
CIE LCh	94, 8.730, 111.866
Yxy	84.3741, 0.3226, 0.3465
Android (android.graphics.Color)	4293783261 (0xFFEDED)
YUV	235.7630, -7.2782, 1.0848
Hunter-Lab	91.8554, -8.1015, 12.3045

# Details

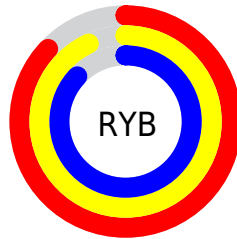
The XYZ color **78.5507, 84.3741, 80.5524** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.4167, 73.4179, 91.3005**, and the grayscale version is **79.6009, 83.7463, 91.1997**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6669, 46.0328, 42.7128** is the 20% darker color. If you saturate the color by 10%, you get **75.1349, 82.9565, 64.9965**, and if you desaturate by 10%, it is **82.4244, 85.9808, 98.4798**.

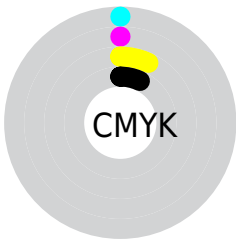
# Distribution



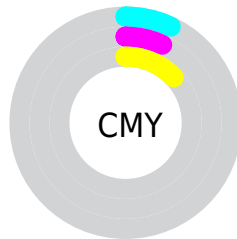
- Red (93%)
- Green (93%)
- Blue (87%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5507, 84.3741, 80.5524 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 78.5507, 84.3741, 80.5524 by changing the saturation by 10% instead.



78.5507, 84.3741,  
80.5524

78.5507, 84.3741,  
80.5524

478.8463,  
509.5547, 516.5483

58.8308, 63.3243,  
59.6442

130.2874,  
139.4984, 135.9605

42.7228, 46.1037,  
42.7085

163.0350,  
174.3417, 171.2975

29.8613, 32.3276,  
29.3267

200.8558,  
214.5516, 212.2811

19.8808, 21.6119,  
19.0804

244.1152,  
260.5126, 259.3300

12.4162, 13.5720,  
11.5510

293.1786,  
312.6090, 312.8626

7.1020, 7.8236,  
6.3199

348.4114,

3.5729, 3.9823,

371.2252, 373.2975

2.9687

410.1788,  
436.7456, 441.0532

■ 1.4635, 1.6636,  
1.0787

■ 0.3008, 0.4000,  
0.0000

■ 78.5507, 84.3741,  
80.5524

■ 78.5507, 84.3741,  
80.5524

■ 75.1349, 82.9565,  
64.9965

■ 82.4244, 85.9808,  
98.4798

■ 72.1513, 81.7094,  
51.7074


■ 84.4984, 86.8653,  
106.9209

■ 69.5820, 80.6285,  
40.5811


■ 84.9773, 87.1122,  
106.9433

■ 67.4052, 79.7050,  
31.5028


■ 85.4600, 87.3610,  
106.9659


 65.5973, 78.9295,  
24.3476


 85.9463, 87.6117,  
106.9886


 64.1318, 78.2913,  
18.9767


 86.4364, 87.8644,  
107.0116


 62.9788, 77.7786,  
15.2326

 86.9303, 88.1190,  
107.0347

 62.1033, 77.3774,  
12.9308

 87.4278, 88.3755,  
107.0580

 61.4598, 77.0693,  
11.8318

 87.9291, 88.6339,  
107.0814

# Harmonies

## Analogous

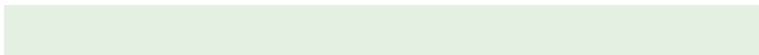
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8257, 84.3741, 79.8328



78.5507, 84.3741, 80.5524



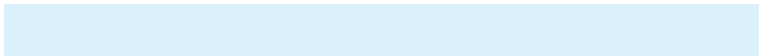
76.7488, 84.3741, 84.2292

# Triad

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



78.5507, 84.3741, 80.5524



77.4811, 84.3741, 102.2519



84.6770, 84.3741, 93.6823

# Complementary

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



78.5507, 84.3741, 80.5524



71.4167, 73.4179, 91.3005

# Split Complementary

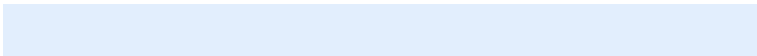
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7429, 84.3741, 99.9575



78.5507, 84.3741, 80.5524



79.5677, 84.3741, 105.0581

# Square

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



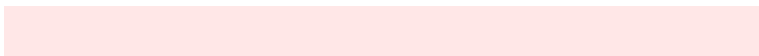
78.5507, 84.3741, 80.5524



76.1396, 84.3741, 96.6930



81.8622, 84.3741, 104.1989



84.3920, 84.3741, 87.2083



# Rectangle

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



78.5507, 84.3741, 80.5524



76.0440, 84.3741, 87.9631



81.8622, 84.3741, 104.1989



84.4945, 84.3741, 95.8890

# Sweetspot

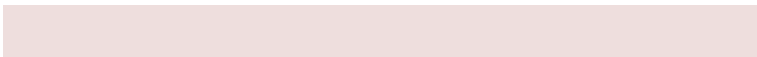
The Sweet Spot groups the original color and five complimentary colors.



78.5530, 84.3778, 80.5542



94.1288, 99.6187, 104.6275



74.3953, 75.5627, 79.0719



20.1571, 21.3265, 22.4393



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

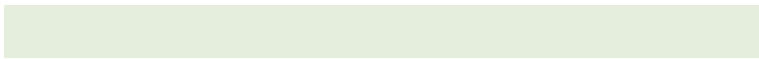
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5530, 84.3778, 80.5542



91.0753, 98.3527, 90.5650



75.8303, 82.9742, 80.4268



17.0252, 18.4087, 16.8056



34.2356, 42.9707, 6.4898



2.8759, 3.5891, 0.5412



# Inverse Universe

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



71.4167, 73.4179, 91.3005



80.6578, 82.3535, 106.2524



74.0373, 74.7689, 91.4231



14.9837, 15.2733, 19.8799



8.7459, 3.5141, 45.3452

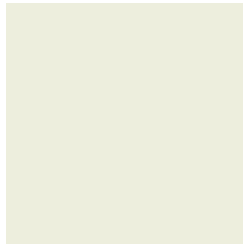


0.7578, 0.3079, 3.7737



# Previews

## White Background



This preview shows how the XYZ color 78.5507, 84.3741, 80.5524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

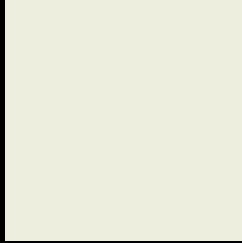
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5507, 84.3741, 80.5524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

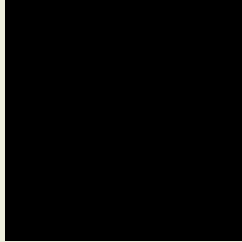
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

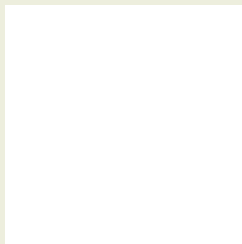
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.5507, 84.3741, 80.5524

## Background



This preview shows how black text looks on a background with the XYZ color 78.5507, 84.3741, 80.5524.



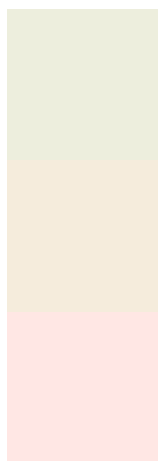
This preview shows how white text looks on a background with the XYZ color 78.5507, 84.3741,

80.5524.

# 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

78.5507, 84.3741, 80.5524

### Protanopia

80.5699, 84.5707, 79.7874

### Deuteranopia

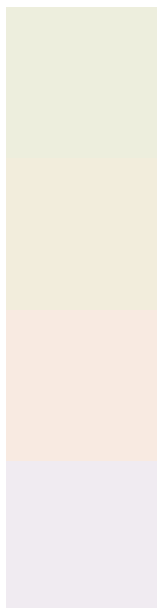
83.8195, 84.0133, 85.1972



## Tritanopia

83.3276, 84.1833, 103.9526

# Trichromacy



## Original Color

78.5507, 84.3741, 80.5524

## Protanomaly

79.8204, 84.6129, 79.8351

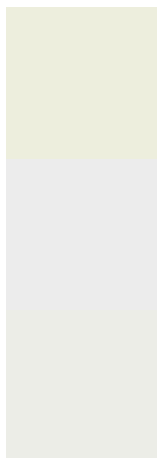
## Deuteranomaly

81.7248, 84.2383, 83.1864

## Tritanomaly

81.5207, 84.2928, 95.1926

# Monochromacy



## Original Color

78.5507, 84.3741, 80.5524

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.3001, 84.1708, 87.6683

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5507, 84.3741, 80.5524 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(237, 238, 221) looks like.

```
.text, #text, p{  
    color:rgb(237, 238, 221)  
}
```

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(237, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 238, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5507, 84.3741, 80.5524 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(237, 238, 221) }
```



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

```
.border{ border-color:rgb(237, 238, 221) }
```

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

Here you see how a box with a 4 pixel rgb(237, 238, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(237, 238,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5507, 84.3741, 80.5524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 238, 221) }
```

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

```
.background{ background-color: rgb(237,  
238, 221) }
```

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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