

Converting Colors

XYZ(78.3699, 86.6539, 77.4048)

Have a look what the booklet for
XYZ(78.3699, 86.6539, 77.4048)
contains.

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Color

**XYZ(78.3769, 86.5515,
77.5409)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF3D8
RGB	234, 243, 216
RGB Percent	92%, 95%, 85%
CMY	0.0823, 0.0470, 0.1529
CMYK	0.04, 0.00, 0.11, 0.05
HSL	80°, 53%, 90%
HSV	80°, 11%, 95%
XYZ	78.3769, 86.5515, 77.5409
YIQ	237.2310, 3.3030, -10.3050

Conversions

Conversions Part 2

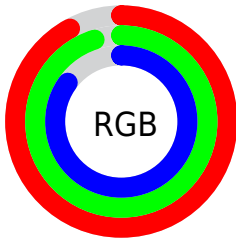
Format	Color
R _Y B	216, 243, 225
Decimal	15397848
CIE Lab	94.55, -7.63, 12.00
CIE LCh	95, 14.217, 122.448
Yxy	86.5515, 0.3232, 0.3570
Android (android.graphics.Color)	4293587928 (0xFFEAF3D8)
YUV	237.2310, -10.4669, -2.8336
Hunter-Lab	93.0331, -12.4282, 15.7063

Details

The XYZ color **78.3769, 86.5515, 77.5409** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.7883, 71.5927, 94.8338**, and the grayscale version is **80.7526, 84.9580, 92.5192**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5634, 47.5788, 40.6585** is the 20% darker color. If you saturate the color by 10%, you get **72.8656, 84.0494, 62.0785**, and if you desaturate by 10%, it is **84.4793, 89.3097, 95.4597**.

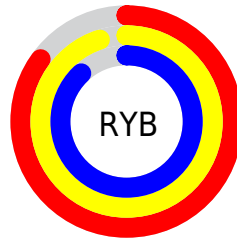
Distribution



Red (92%)

Green (95%)

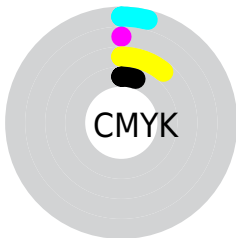
Blue (85%)



Red (85%)

Yellow (95%)

Blue (88%)

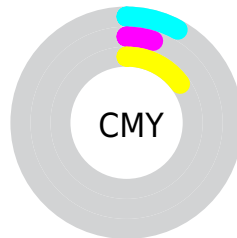


Cyan (4%)

Magenta (0%)

Yellow (11%)

Black (5%)



Cyan (8%)

Magenta (5%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3769, 86.5515, 77.5409 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 78.3769, 86.5515, 77.5409 by changing the saturation by 10% instead.

78.3769, 86.5515,
77.5409

78.3769, 86.5515,
77.5409

478.2661,
516.7480, 506.0928

58.6875, 65.1241,
57.1827

130.0439,
142.5388, 131.6827

42.6070, 47.5617,
40.7416

162.7521,
177.8676, 166.3034

29.7701, 33.4799,
27.7991

200.5307,
218.5989, 206.5154

19.8113, 22.4944,
17.9365

243.7450,
265.1172, 252.7371

12.3654, 14.2206,
10.7355

292.7603,
317.8069, 305.3872

7.0670, 8.2743,
5.7773

347.9421,

3.5508, 4.2709,

377.0523, 364.8841

2.6436

409.6555,
443.2378, 431.6465

■ 1.4513, 1.8262,
0.9148

■ 0.2923, 0.5035,
0.0000

■ 78.3769, 86.5515,
77.5409

■ 78.3769, 86.5515,
77.5409

■ 72.8656, 84.0494,
62.0785

■ 84.4793, 89.3097,
95.4597

■ 67.9164, 81.7833,
48.9599

■ 89.6012, 91.6871,
107.5826

■ 63.5082, 79.7472,
38.0719

■ 91.3424, 92.5847,
107.6641

■ 59.6157, 77.9309,
29.2898

■ 56.2111, 76.3230,
22.4766

■ 53.2636, 74.9111,
17.4792

■ 50.7381, 73.6808,
14.1219

■ 48.5928, 72.6153,
12.1939

■ 46.9469, 71.7831,
11.3812

Harmonies

Analogous

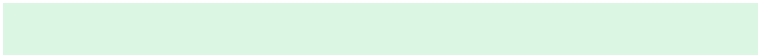
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9505, 86.5515, 74.7024



78.3769, 86.5515, 77.5409



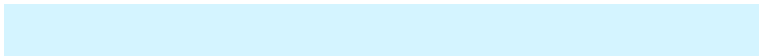
75.9076, 86.5515, 84.8182

Triad

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



78.3769, 86.5515, 77.5409



78.9055, 86.5515, 114.1997



89.8426, 86.5515, 93.3421

Complementary

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



78.3769, 86.5515, 77.5409



71.7883, 71.5927, 94.8338

Split Complementary

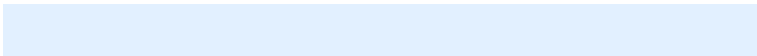
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.9670, 86.5515, 104.3346



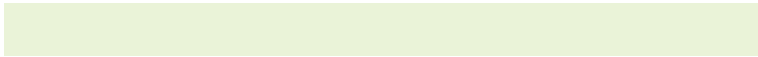
78.3769, 86.5515, 77.5409



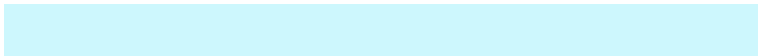
82.5795, 86.5515, 116.9175

Square

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



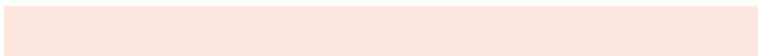
78.3769, 86.5515, 77.5409



76.2060, 86.5515, 106.0129



86.2788, 86.5515, 113.1791



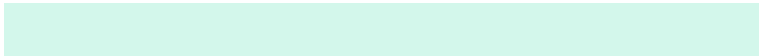
88.6361, 86.5515, 83.3724

Rectangle

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



78.3769, 86.5515, 77.5409



75.1790, 86.5515, 91.4954



86.2788, 86.5515, 113.1791



89.7820, 86.5515, 97.0387

Sweetspot

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



78.3793, 86.5553, 77.5428



92.9103, 99.0364, 102.4982



76.2852, 77.8658, 75.9759



19.7664, 21.1437, 21.5819



0.0000, 0.0000, 0.0000



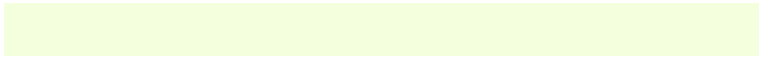
20.3446, 21.4041, 23.3091

Same Dimension

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



78.3793, 86.5553, 77.5428



86.2141, 96.0093, 82.9896



74.1148, 84.3568, 77.3432



17.3465, 19.0207, 17.5547



25.9136, 39.4717, 6.2530



2.3862, 3.5252, 0.5547

Inverse Universe

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



71.7883, 71.5927, 94.8338



77.7045, 76.6905, 105.3150



76.1647, 73.8488, 95.0386



16.1018, 16.1951, 20.8199



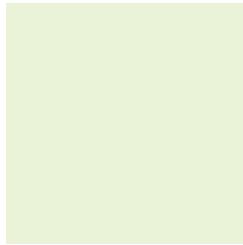
10.8702, 4.5781, 46.8488



1.0599, 0.4563, 4.1224

Previews

White Background



This preview shows how the XYZ color 78.3769, 86.5515, 77.5409 looks on a white background.

Color Contrast Check

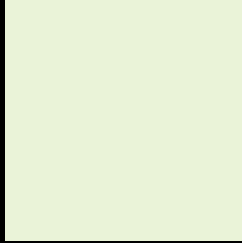
Large Text (above 18pt) WCAG AA × Fail

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 78.3769, 86.5515, 77.5409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

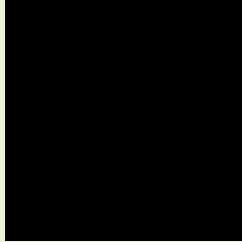
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

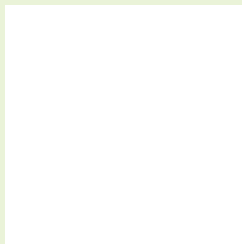
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3769, 86.5515, 77.5409

Background



This preview shows how black text looks on a background with the XYZ color 78.3769, 86.5515, 77.5409.

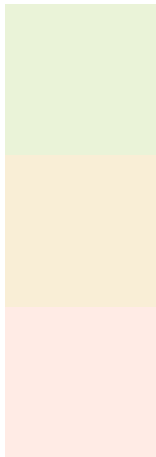


This preview shows how white text looks on a background with the XYZ color 78.3769, 86.5515,

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

78.3769, 86.5515, 77.5409

Protanopia

81.7791, 86.1438, 75.9355

Deuteranopia

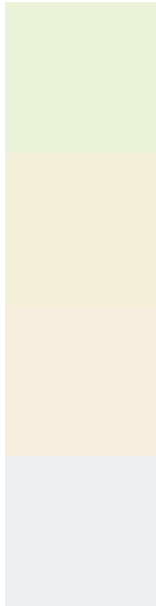
85.0912, 86.3338, 86.3080



Tritanopia

84.2694, 86.3136, 106.8265

Trichromacy



Original Color

78.3769, 86.5515, 77.5409

Protanomaly

80.7341, 86.4596, 76.7232

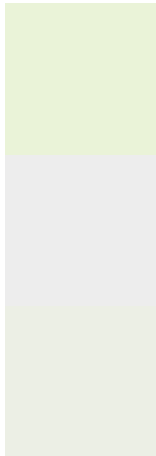
Deuteranomaly

82.3869, 86.3050, 82.8373

Tritanomaly

82.0036, 86.2610, 95.5471

Monochromacy



Original Color

78.3769, 86.5515, 77.5409

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.6014, 85.2230, 86.3830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3769, 86.5515, 77.5409 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, 243, 216) looks like.

```
.text, #text, p{  
    color:rgb(234, 243, 216)  
}
```

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, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 78.3769, 86.5515, 77.5409 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, 243, 216) }
```


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

```
.border{ border-color:rgb(234, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(234, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3769, 86.5515, 77.5409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 243, 216) }
```

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

```
.background{ background-color: rgb(234,  
243, 216) }
```

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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