

Converting Colors

XYZ(77.6502, 86.9634, 82.5051)

Have a look what the booklet for
XYZ(77.6502, 86.9634, 82.5051)
contains.

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Color

**XYZ(77.6502, 86.9634,
82.5051)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F5DF
RGB	227, 245, 223
RGB Percent	89%, 96%, 87%
CMY	0.1098, 0.0392, 0.1255
CMYK	0.07, 0.00, 0.09, 0.04
HSL	109°, 52%, 92%
HSV	109°, 9%, 96%
XYZ	77.6502, 86.9634, 82.5051
YIQ	237.1100, -3.6660, -10.6580

Conversions

Conversions Part 2

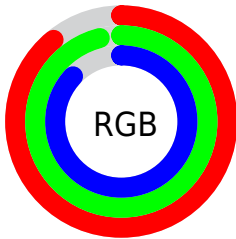
Format	Color
R _Y B	223, 245, 241
Decimal	14939615
CIE Lab	94.72, -9.84, 8.57
CIE LCh	95, 13.043, 138.947
Yxy	86.9634, 0.3142, 0.3519
Android (android.graphics.Color)	4293129695 (0xFFE3F5DF)
YUV	237.1100, -6.9562, -8.8665
Hunter-Lab	93.2542, -14.5627, 12.8221

Details

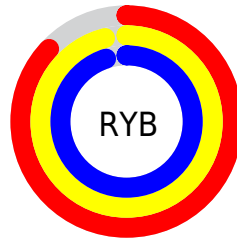
The XYZ color **77.6502, 86.9634, 82.5051** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.1483, 78.0712, 97.2884**, and the grayscale version is **80.6369, 84.8363, 92.3867**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2787, 47.9930, 44.0810** is the 20% darker color. If you saturate the color by 10%, you get **68.6243, 82.6674, 66.0693**, and if you desaturate by 10%, it is **87.8952, 91.8377, 101.4967**.

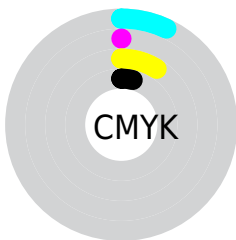
Distribution



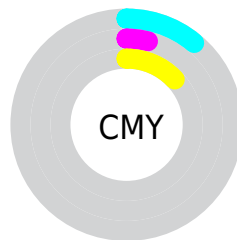
- Red (89%)
- Green (96%)
- Blue (87%)



- Red (87%)
- Yellow (96%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6502, 86.9634, 82.5051 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 77.6502, 86.9634, 82.5051 by changing the saturation by 10% instead.

77.6502, 86.9634,
82.5051

77.6502, 86.9634,
82.5051

475.8361,
518.1026, 523.2634

58.0885, 65.4649,
61.2437

129.0249,
143.1131, 138.7251

42.1233, 47.8382,
43.9901

161.5685,
178.5332, 174.5209

29.3894, 33.6987,
30.3256

199.1702,
219.3625, 215.9985

19.5213, 22.6623,
19.8317

242.1952,
265.9855, 263.5765

12.1538, 14.3443,
12.0899

291.0089,
318.7867, 317.6734

6.9215, 8.3605,
6.6816

345.9768,

3.4589, 4.3265,

378.1503, 378.7079

3.1884

407.4640,
444.4608, 447.0984

■ 1.4008, 1.8578,
1.1916

■ 0.2568, 0.5228,
0.0000

■ 77.6502, 86.9634,
82.5051

■ 77.6502, 86.9634,
82.5051

■ 68.6243, 82.6674,
66.0693

■ 87.8952, 91.8377,
101.4967

■ 60.7648, 78.9172,
52.0747

■ 91.9441, 93.7882,
107.8647

■ 54.0255, 75.6943,
40.4066

■ 48.3546, 72.9745,
30.9389

■ 43.6959, 70.7319,
23.5333

■ 39.9880, 68.9383,
18.0360

■ 37.1624, 67.5620,
14.2720

■ 35.1408, 66.5673,
12.0334

■ 33.8206, 65.9080,
11.0107

Harmonies

Analogous

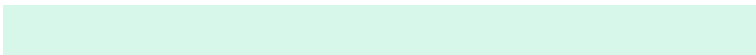
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4751, 86.9634, 77.4921



77.6502, 86.9634, 82.5051



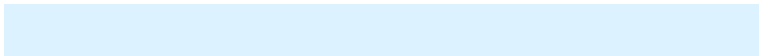
76.1817, 86.9634, 91.0160

Triad

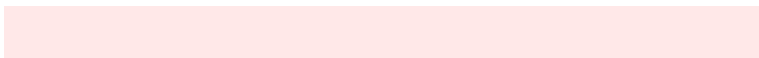
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6502, 86.9634, 82.5051



81.3637, 86.9634, 115.0428



89.2329, 86.9634, 88.5252

Complementary

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



77.6502, 86.9634, 82.5051



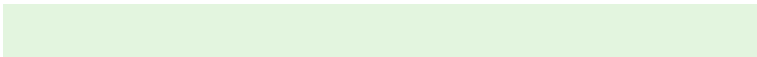
79.1483, 78.0712, 97.2884

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.



89.4873, 86.9634, 98.4582



77.6502, 86.9634, 82.5051



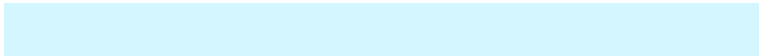
84.8761, 86.9634, 114.2572

Square

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



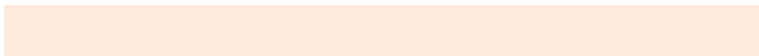
77.6502, 86.9634, 82.5051



78.2847, 86.9634, 110.0915



87.8727, 86.9634, 108.0156



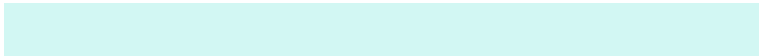
87.1872, 86.9634, 80.7934

Rectangle

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



77.6502, 86.9634, 82.5051



76.1408, 86.9634, 97.7390



87.8727, 86.9634, 108.0156



89.5329, 86.9634, 91.7018

Sweetspot

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



77.6526, 86.9671, 82.5070



91.5770, 98.3491, 102.4358



82.4246, 87.6351, 82.3844



19.4070, 20.9584, 21.5651



0.0000, 0.0000, 0.0000



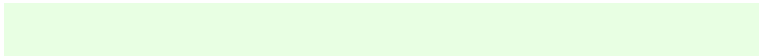
20.3446, 21.4041, 23.3091

Same Dimension

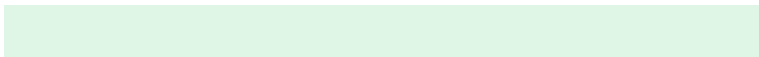
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6526, 86.9671, 82.5070



82.9126, 94.2272, 86.4546



77.3648, 86.7080, 87.4994



16.5631, 18.6168, 17.5180



18.2448, 35.5183, 5.8941



1.6796, 3.1609, 0.5216

Inverse Universe

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



79.1483, 78.0712, 97.2884



84.8945, 82.4367, 106.0452



79.4845, 78.3651, 91.8547



16.9010, 16.6071, 20.8573



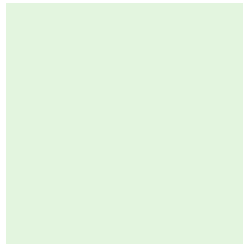
21.8870, 10.2575, 47.3643



1.9988, 0.9403, 4.1664

Previews

White Background



This preview shows how the XYZ color 77.6502, 86.9634, 82.5051 looks on a white background.

Color Contrast Check

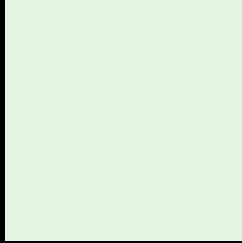
Large Text (above 18pt) WCAG AA × Fail

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 77.6502, 86.9634, 82.5051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

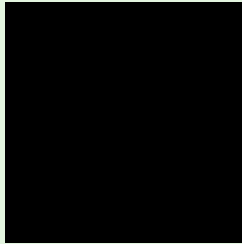
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

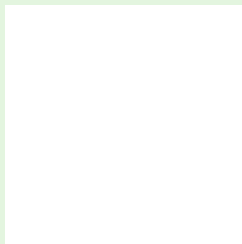
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6502, 86.9634, 82.5051

Background



This preview shows how black text looks on a background with the XYZ color 77.6502, 86.9634, 82.5051.



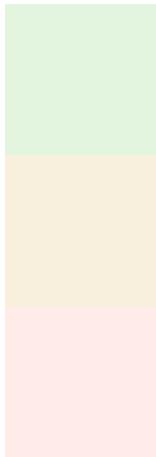
This preview shows how white text looks on a background with the XYZ color 77.6502, 86.9634,

82.5051.

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

77.6502, 86.9634, 82.5051

Protanopia

82.4962, 86.8568, 80.1272

Deuteranopia

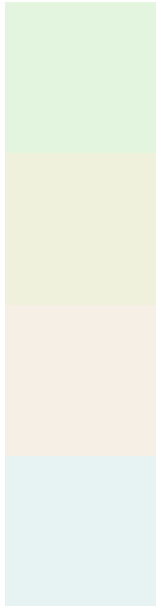
85.5138, 86.5029, 88.5336



Tritanopia

83.1418, 87.0326, 107.0247

Trichromacy



Original Color

77.6502, 86.9634, 82.5051

Protanomaly

80.4416, 86.6563, 80.8932

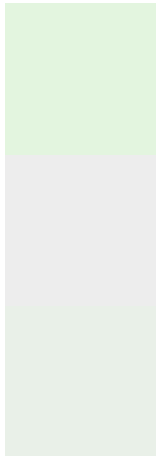
Deuteranomaly

82.6655, 86.8026, 86.5264

Tritanomaly

80.8848, 86.9643, 97.3167

Monochromacy



Original Color

77.6502, 86.9634, 82.5051

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.3298, 85.4700, 88.6602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6502, 86.9634, 82.5051 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(227, 245, 223) looks like.

```
.text, #text, p{  
    color:rgb(227, 245, 223)  
}
```

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(227, 245, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 245, 223) }
```

Border

The CSS property to change the border of an element to XYZ 77.6502, 86.9634, 82.5051 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(227, 245, 223) }
```


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

```
.border{ border-color:rgb(227, 245, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 245, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 245, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 245, 223);  
box-shadow:4px 4px 4px 4px rgb(227, 245,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6502, 86.9634, 82.5051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 245, 223) }
```

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

```
.background{ background-color: rgb(227,  
245, 223) }
```

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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