

Converting Colors

XYZ(77.6467, 85.6042, 76.0697)

Have a look what the booklet for
XYZ(77.6467, 85.6042, 76.0697)
contains.

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Color

**XYZ(77.8214, 85.8517,
76.0877)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF2D6
RGB	234, 242, 214
RGB Percent	92%, 95%, 84%
CMY	0.0823, 0.0510, 0.1608
CMYK	0.03, 0.00, 0.12, 0.05
HSL	77°, 52%, 89%
HSV	77°, 12%, 95%
XYZ	77.8214, 85.8517, 76.0877
YIQ	236.4160, 4.2200, -10.4040

Conversions

Conversions Part 2

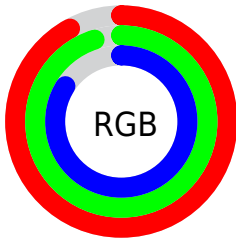
Format	Color
RYB	214, 242, 222
Decimal	15397590
CIELab	94.25, -7.45, 12.60
CIElCh	94, 14.642, 120.586
Yxy	85.8517, 0.3246, 0.3581
Android (android.graphics.Color)	4293587670 (0xFFEAF2D6)
YUV	236.4160, -11.0511, -2.1188
Hunter-Lab	92.6562, -12.2272, 16.1714

Details

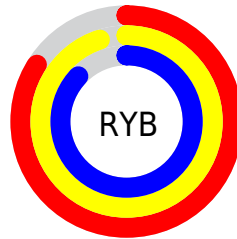
The XYZ color **77.8214, 85.8517, 76.0877** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.2011, 70.0358, 93.8272**, and the grayscale version is **80.1294, 84.3024, 91.8053**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1770, 47.0860, 39.6664** is the 20% darker color. If you saturate the color by 10%, you get **72.7313, 83.5612, 60.8970**, and if you desaturate by 10%, it is **83.4641, 88.3791, 93.7048**.

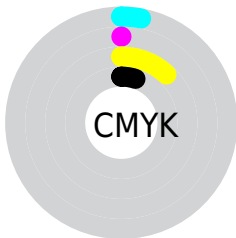
Distribution



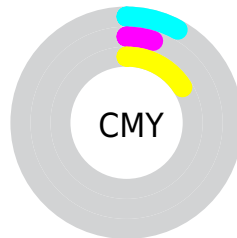
- Red (92%)
- Green (95%)
- Blue (84%)



- Red (84%)
- Yellow (95%)
- Blue (87%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)



- Cyan (8%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8214, 85.8517, 76.0877 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 77.8214, 85.8517, 76.0877 by changing the saturation by 10% instead.

77.8214, 85.8517,
76.0877

77.8214, 85.8517,
76.0877

476.4092,
514.4421, 501.0027

58.2295, 64.5453,
55.9973

129.2650,
141.5625, 129.6121

42.2372, 47.0925,
39.7968

161.8475,
176.7358, 163.8832

29.4790, 33.1088,
27.0676

199.4909,
217.3001, 203.7183

19.5896, 22.2098,
17.3911

242.5606,
263.6400, 249.5359

12.2036, 14.0111,
10.3488

291.4219,
316.1397, 301.7547

6.9557, 8.1284,
5.5222

346.4402,

3.4805, 4.1772,

375.1837, 360.7930

2.4928

407.9808,
441.1564, 427.0695

■ 1.4126, 1.7732,
0.8363

■ 0.2652, 0.4704,
0.0000

■ 77.8214, 85.8517,
76.0877

■ 77.8214, 85.8517,
76.0877

■ 72.7313, 83.5612,
60.8970

■ 83.4641, 88.3791,
93.7048

■ 68.1657, 81.4878,
48.0206

■ 88.4572, 90.6542,
107.4436

■ 64.1042, 79.6261,
37.3464

■ 90.9532, 91.9410,
107.5604

■ 60.5221, 77.9660,
28.7503

■ 91.0438, 91.9877,
107.5646

■ 57.3927, 76.4968,
22.0961

■ 54.6859, 75.2062,
17.2315

■ 52.3673, 74.0805,
13.9811

■ 50.3959, 73.1030,
12.1347

■ 48.9501, 72.3727,
11.3894

Harmonies

Analogous

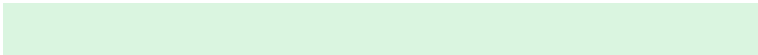
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5224, 85.8517, 73.4985



77.8214, 85.8517, 76.0877



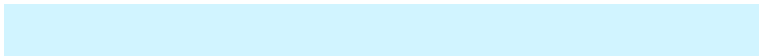
75.2039, 85.8517, 83.2653

Triad

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



77.8214, 85.8517, 76.0877



77.9509, 85.8517, 113.5857



89.3765, 85.8517, 93.2572

Complementary

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



77.8214, 85.8517, 76.0877



70.2011, 70.0358, 93.8272

Split Complementary

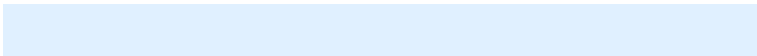
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3477, 85.8517, 104.4932



77.8214, 85.8517, 76.0877



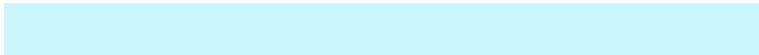
81.6766, 85.8517, 116.7848

Square

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



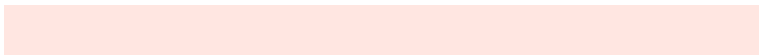
77.8214, 85.8517, 76.0877



75.2770, 85.8517, 104.9059



85.4979, 85.8517, 113.3344



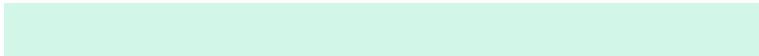
88.2664, 85.8517, 82.9116

Rectangle

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



77.8214, 85.8517, 76.0877



74.3823, 85.8517, 89.9889



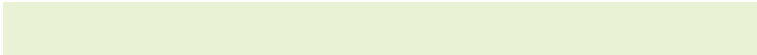
85.4979, 85.8517, 113.3344



89.2690, 85.8517, 97.0560

Sweetspot

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



77.8237, 85.8554, 76.0896



93.0427, 99.1047, 102.5044



74.8621, 75.9421, 74.3322



19.8022, 21.1621, 21.5836



0.0000, 0.0000, 0.0000



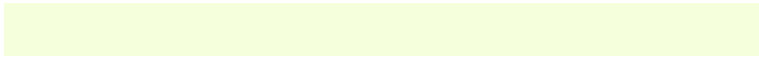
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8237, 85.8554, 76.0896



86.1706, 96.0260, 81.2183



73.4279, 83.5893, 75.8838



16.6570, 18.2189, 16.7884



26.4362, 38.9499, 6.1248



2.2966, 3.2905, 0.5141

Inverse Universe

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



70.2011, 70.0358, 93.8272



75.9342, 74.7808, 105.0397



74.6465, 72.3275, 94.0352



15.3216, 15.4475, 19.8957



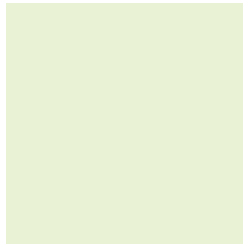
10.0509, 4.1868, 45.4063



0.9306, 0.3970, 3.7818

Previews

White Background



This preview shows how the XYZ color 77.8214, 85.8517, 76.0877 looks on a white background.

Color Contrast Check

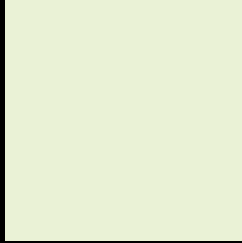
Large Text (above 18pt) WCAG AA × Fail

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 77.8214, 85.8517, 76.0877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

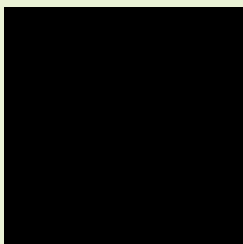
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

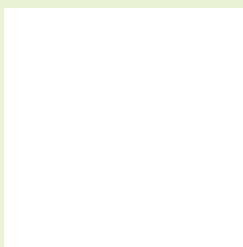
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8214, 85.8517, 76.0877

Background



This preview shows how black text looks on a background with the XYZ color 77.8214, 85.8517, 76.0877.

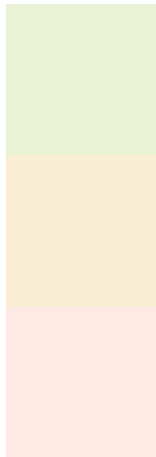


This preview shows how white text looks on a background with the XYZ color 77.8214, 85.8517,

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

77.8214, 85.8517, 76.0877

Protanopia

81.5251, 86.0423, 74.5983

Deuteranopia

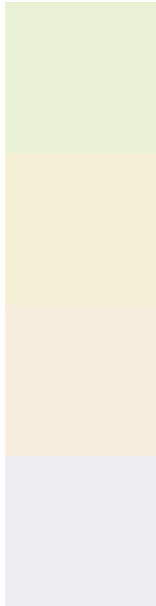
84.5279, 85.6517, 84.7504



Tritanopia

83.9806, 85.7362, 106.7302

Trichromacy



Original Color

77.8214, 85.8517, 76.0877

Protanomaly

80.1850, 85.7702, 75.2799

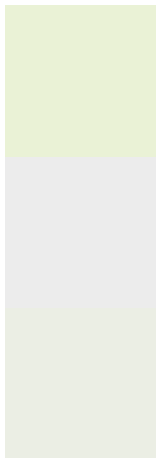
Deuteranomaly

81.8268, 85.6165, 81.3201

Tritanomaly

81.5626, 85.6175, 94.6651

Monochromacy



Original Color

77.8214, 85.8517, 76.0877

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.8391, 84.4127, 85.5368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8214, 85.8517, 76.0877 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, 242, 214) looks like.

```
.text, #text, p{  
    color:rgb(234, 242, 214)  
}
```

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, 242, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 242, 214) }
```

Border

The CSS property to change the border of an element to XYZ 77.8214, 85.8517, 76.0877 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, 242, 214) }
```


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

```
.border{ border-color:rgb(234, 242, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 242, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 242, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 242, 214);  
box-shadow:4px 4px 4px 4px rgb(234, 242,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8214, 85.8517, 76.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 242, 214) }
```

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

```
.background{ background-color: rgb(234,  
242, 214) }
```

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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