

# Converting Colors

XYZ(77.7185, 86.2664, 74.2155)

Have a look what the booklet for  
XYZ(77.7185, 86.2664, 74.2155)  
contains.

<b>XYZ(77.7401, 86.2968, 74.1876)</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(77.7401, 86.2968,  
74.1876)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAF3D3
RGB	234, 243, 211
RGB Percent	92%, 95%, 83%
CMY	0.0823, 0.0470, 0.1725
CMYK	0.04, 0.00, 0.13, 0.05
HSL	77°, 57%, 89%
HSV	77°, 13%, 95%
XYZ	77.7401, 86.2968, 74.1876
YIQ	236.6610, 4.9080, -11.8600

# Conversions

## Conversions Part 2

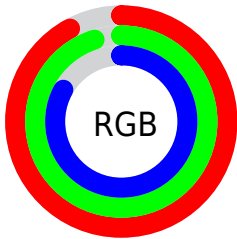
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 243, 220
Decimal	15397843
CIE Lab	94.44, -8.43, 14.42
CIE LCh	94, 16.707, 120.315
Yxy	86.2968, 0.3263, 0.3622
Android (android.graphics.Color)	4293587923 (0xFFEAF3D3)
YUV	236.6610, -12.6509, -2.3337
Hunter-Lab	92.8961, -13.1904, 17.6777

# Details

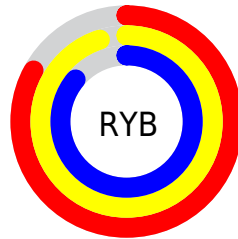
The XYZ color **77.7401, 86.2968, 74.1876** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.9906, 68.2776, 94.3415**, and the grayscale version is **80.3291, 84.5125, 92.0341**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1312, 47.4059, 38.3822** is the 20% darker color. If you saturate the color by 10%, you get **72.7201, 84.0373, 59.2343**, and if you desaturate by 10%, it is **83.3120, 88.7928, 91.5743**.

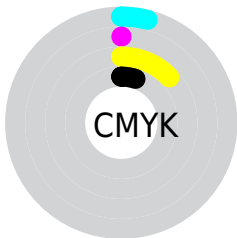
# Distribution



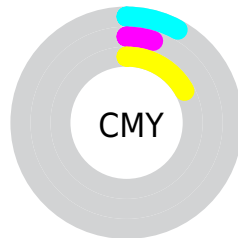
- Red (92%)
- Green (95%)
- Blue (83%)



- Red (83%)
- Yellow (95%)
- Blue (86%)



- Cyan (4%)
- Magenta (0%)
- Yellow (13%)
- Black (5%)



- Cyan (8%)
- Magenta (5%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7401, 86.2968, 74.1876 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 77.7401, 86.2968, 74.1876 by changing the saturation by 10% instead.



77.7401, 86.2968,  
74.1876

77.7401, 86.2968,  
74.1876

476.1371,  
515.9094, 494.3013

58.1625, 64.9134,  
54.4499

129.1510,  
142.1836, 126.8982

42.1831, 47.3909,  
38.5658

161.7150,  
177.4558, 160.7082

29.4364, 33.3448,  
26.1169

199.3386,  
218.1264, 200.0460

19.5572, 22.3907,  
16.6846

242.3871,  
264.5798, 245.3301

12.1799, 14.1443,  
9.8503

291.2258,  
317.2004, 296.9792

6.9394, 8.2211,  
5.1955

346.2201,

3.4702, 4.2367,

376.3726, 355.4117

2.3017

407.7354,  
442.4808, 421.0463

■ 1.4070, 1.8068,  
0.7322

■ 0.2612, 0.4914,  
0.0000

■ 77.7401, 86.2968,  
74.1876

■ 77.7401, 86.2968,  
74.1876

■ 72.7201, 84.0373,  
59.2343

■ 83.3120, 88.7928,  
91.5743

■ 68.2235, 81.9942,  
46.6002

■ 88.6990, 91.2221,  
107.5404

■ 64.2294, 80.1619,  
36.1703

■ 91.1637, 92.4926,  
107.6558

■ 60.7128, 78.5302,  
27.8178

■ 91.3424, 92.5848,  
107.6641

■ 57.6460, 77.0880,  
21.4026

■ 54.9982, 75.8229,  
16.7678

■ 52.7339, 74.7205,  
13.7316

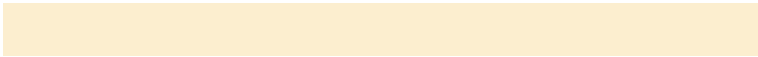
■ 50.8102, 73.7635,  
12.0737

■ 49.6486, 73.1759,  
11.5076

# Harmonies

## Analogous

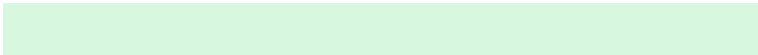
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9750, 86.2968, 71.3362



77.7401, 86.2968, 74.1876



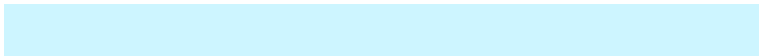
74.7462, 86.2968, 82.2384

# Triad

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



77.7401, 86.2968, 74.1876



77.8196, 86.2968, 117.1296



90.9652, 86.2968, 93.8265

# Complementary

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



77.7401, 86.2968, 74.1876



68.9906, 68.2776, 94.3415

# Split Complementary

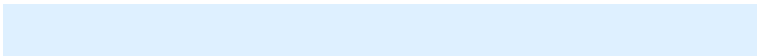
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7564, 86.2968, 106.7511



77.7401, 86.2968, 74.1876



82.0701, 86.2968, 120.9291

# Square

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



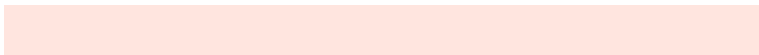
77.7401, 86.2968, 74.1876



74.7908, 86.2968, 107.0080



86.4594, 86.2968, 116.9720

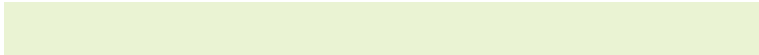


89.7060, 86.2968, 82.0229

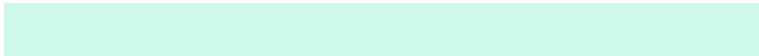


# Rectangle

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



77.7401, 86.2968, 74.1876



73.8005, 86.2968, 89.8629



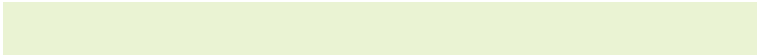
86.4594, 86.2968, 116.9720



90.8335, 86.2968, 98.1851

# Sweetspot

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



77.7424, 86.3006, 74.1895



92.4029, 98.8201, 100.4302



74.1940, 74.7023, 72.1378



19.6739, 21.1051, 21.1661



0.0000, 0.0000, 0.0000

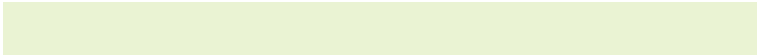


20.3446, 21.4041, 23.3091

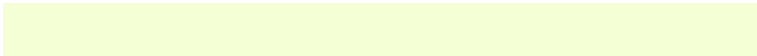


# Same Dimension

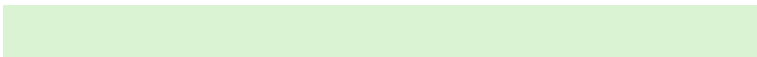
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7424, 86.3006, 74.1895



85.0650, 95.5326, 77.7086



72.8645, 83.7859, 73.9612



17.4337, 19.0656, 17.5587



27.3857, 40.2306, 6.3219



2.5069, 3.5874, 0.5603



# Inverse Universe

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



68.9906, 68.2776, 94.3415



73.4110, 71.5315, 104.5455



73.9123, 70.8148, 94.5718



16.0189, 16.1524, 20.8160



10.3146, 4.2917, 46.8228

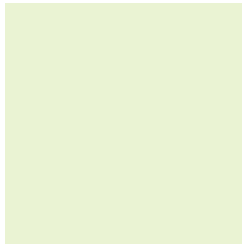


1.0027, 0.4268, 4.1198



# Previews

## White Background



This preview shows how the XYZ color 77.7401, 86.2968, 74.1876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

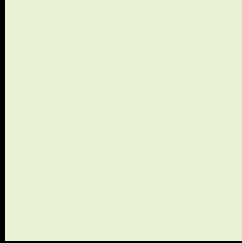
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.7401, 86.2968, 74.1876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

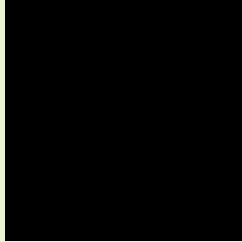
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

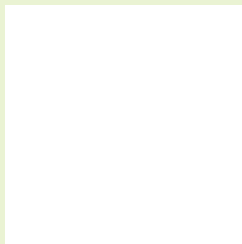
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.7401, 86.2968, 74.1876**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.7401, 86.2968, 74.1876.



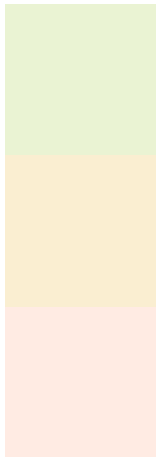
This preview shows how white text looks on a background with the XYZ color 77.7401, 86.2968,



# 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

77.7401, 86.2968, 74.1876

### Protanopia

81.5075, 86.0765, 72.6401

### Deuteranopia

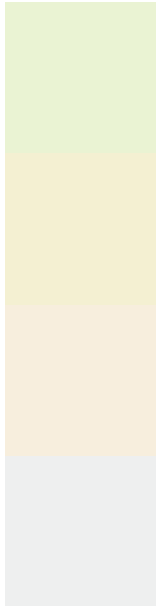
84.8135, 86.2227, 84.8455



## Tritanopia

84.2694, 86.3136, 106.8265

# Trichromacy



## Original Color

77.7401, 86.2968, 74.1876

## Protanomaly

80.1012, 86.2064, 73.3905

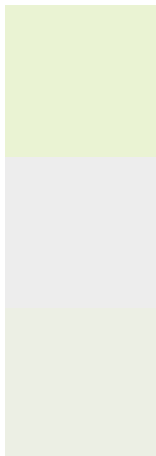
## Deuteranomaly

81.9835, 86.1437, 80.7130

## Tritanomaly

81.7064, 86.1421, 93.9821

# Monochromacy



## Original Color

77.7401, 86.2968, 74.1876

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.4622, 85.1673, 85.6496

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7401, 86.2968, 74.1876 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(234, 243, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 243, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7401, 86.2968, 74.1876 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, 211) }
```



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

```
.border{ border-color:rgb(234, 243, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 243, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 243, 211);  
box-shadow:4px 4px 4px 4px rgb(234, 243,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.7401, 86.2968, 74.1876 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, 211) }
```

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

```
.background{ background-color: rgb(234,  
243, 211) }
```

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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