

# Converting Colors

XYZ(76.3326, 87.6947, 54.5392)

Have a look what the booklet for  
XYZ(76.3326, 87.6947, 54.5392)  
contains.

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# **Color**

**XYZ(76.4565, 87.8730,  
54.5265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF7B1
RGB	238, 247, 177
RGB Percent	93%, 97%, 69%
CMY	0.0667, 0.0313, 0.3059
CMYK	0.04, 0.00, 0.28, 0.03
HSL	68°, 81%, 83%
HSV	68°, 28%, 97%
XYZ	76.4565, 87.8730, 54.5265
YIQ	236.3290, 17.1060, -23.6780

# Conversions

## Conversions Part 2

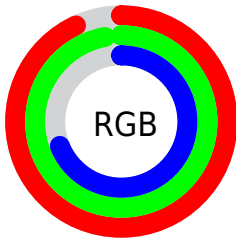
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 247, 186
Decimal	15660977
CIELab	95.11, -13.90, 32.74
CIELCh	95, 35.571, 113.005
Yxy	87.8730, 0.3493, 0.4015
Android (android.graphics.Color)	4293851057 (0xFFEEF7B1)
YUV	236.3290, -29.2492, 1.4655
Hunter-Lab	93.7406, -18.4583, 31.1309

# Details

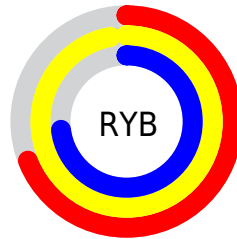
The XYZ color **76.4565, 87.8730, 54.5265** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.7637, 48.6011, 94.6006**, and the grayscale version is **80.1909, 84.3671, 91.8757**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **41.3249, 48.5406, 26.2600** is the 20% darker color. If you saturate the color by 10%, you get **73.1574, 86.4342, 42.6632**, and if you desaturate by 10%, it is **80.2246, 89.5076, 68.7413**.

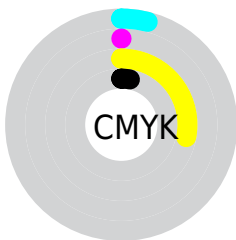
# Distribution



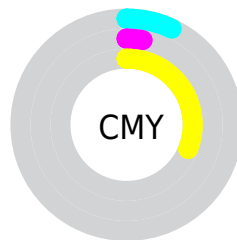
- Red (93%)
- Green (97%)
- Blue (69%)



- Red (69%)
- Yellow (97%)
- Blue (73%)



- Cyan (4%)
- Magenta (0%)
- Yellow (28%)
- Black (3%)



- Cyan (7%)
- Magenta (3%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4565, 87.8730, 54.5265 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 76.4565, 87.8730, 54.5265 by changing the saturation by 10% instead.



76.4565, 87.8730,  
54.5265

76.4565, 87.8730,  
54.5265

471.8294,  
521.0872, 421.3458

57.1053, 66.2179,  
38.6267

127.3489,  
144.3803, 98.3110

41.3302, 48.4493,  
26.1639

159.6208,  
180.0014, 127.0329

28.7660, 34.1828,  
16.7194

196.9303,  
221.0465, 160.8658

19.0473, 23.0341,  
9.8748

239.6428,  
267.9001, 200.2284

11.8087, 14.6187,  
5.2115

288.1236,  
320.9466, 245.5391

6.6848, 8.5522,  
2.3110

342.7380,

3.3103, 4.4503,

380.5703, 297.2166

0.7374

403.8515,  
447.1557, 355.6793

■ 1.3199, 1.9285,  
0.0000

■ 0.1981, 0.5654,  
0.0000

■ 76.4565, 87.8730,  
54.5265

■ 76.4565, 87.8730,  
54.5265

■ 73.1574, 86.4342,  
42.6632

■ 80.2246, 89.5076,  
68.7413

■ 70.2964, 85.1698,  
33.0191

■ 84.4774, 91.3352,  
85.4193

■ 67.8493, 84.0731,  
25.4575

■ 89.2378, 93.3681,  
104.6715

■ 65.7868, 83.1324,  
19.8242

■ 90.9922, 94.2009,  
107.9945

■ 64.0754, 82.3343,  
15.9437

■ 92.1449, 94.7951,  
108.0485

■ 62.6757, 81.6629,  
13.6086

■ 92.5526, 95.0053,  
108.0675

■ 61.5323, 81.0962,  
12.5277

■ 61.3545, 81.0072,  
12.4022

# Harmonies

## Analogous

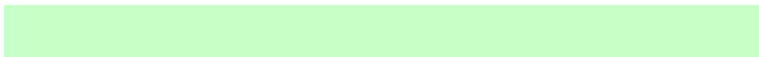
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8075, 87.8730, 51.9278



76.4565, 87.8730, 54.5265



69.5211, 87.8730, 67.0569

# Triad

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



76.4565, 87.8730, 54.5265



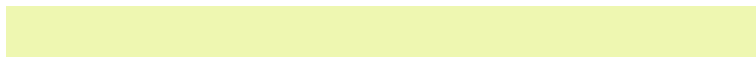
72.8151, 87.8730, 144.8733



103.3877, 87.8730, 102.3172

# Complementary

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



76.4565, 87.8730, 54.5265



52.7637, 48.6011, 94.6006

# 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.



99.2838, 87.8730, 131.4678



76.4565, 87.8730, 54.5265



81.2748, 87.8730, 158.9298

# Square

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



76.4565, 87.8730, 54.5265



67.5349, 87.8730, 118.0569



91.0071, 87.8730, 153.6014



101.8487, 87.8730, 76.3238

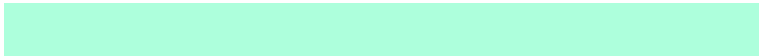


# Rectangle

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



76.4565, 87.8730, 54.5265



66.9572, 87.8730, 80.9307



91.0071, 87.8730, 153.6014



102.6124, 87.8730, 112.1178

# Sweetspot

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



76.4587, 87.8769, 54.5284



90.4947, 98.0534, 90.5378



63.6804, 57.7186, 49.3807



19.2210, 20.9237, 18.7890



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

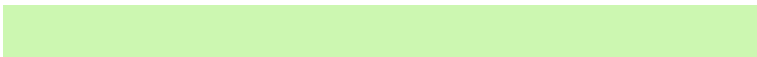
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4587, 87.8769, 54.5284



80.1108, 93.5640, 51.0299



66.0559, 82.5141, 54.0415



17.6927, 19.1991, 17.5709



32.5320, 42.8837, 6.5628



2.9166, 3.7986, 0.5795



# Inverse Universe

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



52.7637, 48.6011, 94.6006



50.8035, 44.9740, 100.6110



62.0792, 53.4034, 95.0366



15.7793, 16.0289, 20.8048



9.2543, 3.7451, 46.7731

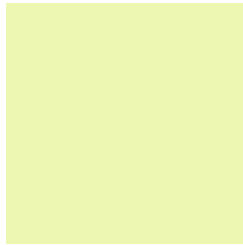


0.8748, 0.3608, 4.1138



# Previews

## White Background



This preview shows how the XYZ color 76.4565, 87.8730, 54.5265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

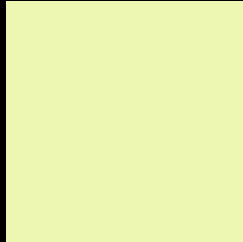
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4565, 87.8730, 54.5265 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

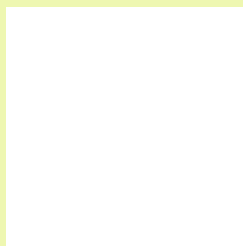
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.4565, 87.8730, 54.5265**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4565, 87.8730, 54.5265.



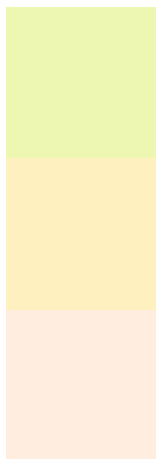
This preview shows how white text looks on a background with the XYZ color 76.4565, 87.8730,



# 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

76.4565, 87.8730, 54.5265

### Protanopia

82.0993, 87.9322, 61.9357

### Deuteranopia

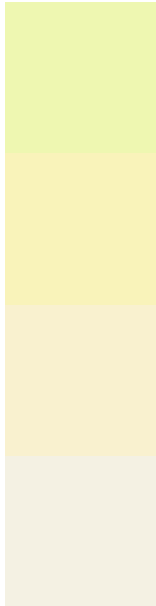
85.2691, 87.7909, 82.9722



## Tritanopia

87.0456, 87.7448, 106.9564

# Trichromacy



## Original Color

76.4565, 87.8730, 54.5265

## Protanomaly

79.9804, 87.7861, 59.1834

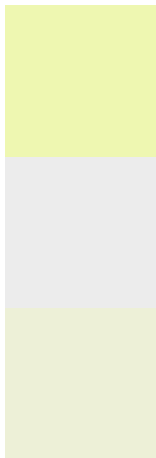
## Deuteranomaly

81.7847, 87.5553, 71.6208

## Tritanomaly

82.6287, 87.6897, 85.2439

# Monochromacy



## Original Color

76.4565, 87.8730, 54.5265

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.3509, 85.2310, 76.6117

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4565, 87.8730, 54.5265 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(238, 247, 177)` looks like.

```
.text, #text, p{  
    color:rgb(238, 247, 177)  
}
```

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(238, 247, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 247, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4565, 87.8730, 54.5265 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(238, 247, 177) }
```



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

```
.border{ border-color:rgb(238, 247, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 247, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 247, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 247, 177); box-shadow:4px 4px 4px 4px rgb(238, 247, 177) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4565, 87.8730, 54.5265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 247, 177) }
```

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

```
.background{ background-color: rgb(238,  
247, 177) }
```

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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