

# Converting Colors

XYZ(67.3083, 74.5496, 34.5089)

Have a look what the booklet for  
XYZ(67.3083, 74.5496, 34.5089)  
contains.

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# **Color**

**XYZ(67.3083, 74.5496,  
34.5089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFE289
RGB	239, 226, 137
RGB Percent	94%, 89%, 54%
CMY	0.0627, 0.1137, 0.4627
CMYK	0.00, 0.05, 0.43, 0.06
HSL	52°, 76%, 74%
HSV	52°, 43%, 94%
XYZ	67.3083, 74.5496, 34.5089
YIQ	219.7410, 36.3170, -24.9230

# Conversions

## Conversions Part 2

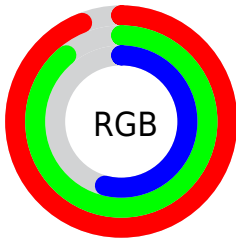
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 239, 137
Decimal	15721097
CIELab	89.18, -7.70, 44.99
CIELCh	89, 45.642, 99.711
Yxy	74.5496, 0.3816, 0.4227
Android (android.graphics.Color)	4293911177 (0xFFEFE289)
YUV	219.7410, -40.7913, 16.8901
Hunter-Lab	86.3421, -11.9484, 36.7427

# Details

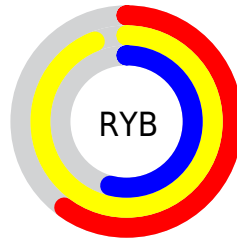
The XYZ color **67.3083, 74.5496, 34.5089** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.8026, 33.3620, 86.1609**, and the grayscale version is **68.1062, 71.6530, 78.0301**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **35.2587, 39.6055, 14.3806** is the 20% darker color. If you saturate the color by 10%, you get **64.9604, 72.3001, 26.1846**, and if you desaturate by 10%, it is **70.0543, 76.9873, 44.8410**.

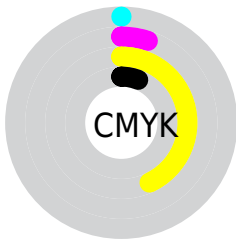
# Distribution



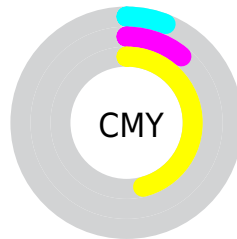
- Red (94%)
- Green (89%)
- Blue (54%)



- Red (60%)
- Yellow (94%)
- Blue (54%)



- Cyan (0%)
- Magenta (5%)
- Yellow (43%)
- Black (6%)




- Cyan (6%)
- Magenta (11%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3083, 74.5496, 34.5089 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 67.3083, 74.5496, 34.5089 by changing the saturation by 10% instead.




 67.3083, 74.5496,  
34.5089

 67.3083, 74.5496,  
34.5089


440.4566,  
476.3681, 337.2335


 49.6068, 55.2440,  
23.0043


 114.4094,  
125.6746, 67.8672

 35.3176, 39.5971,  
14.3914


 144.5398,  
158.2628, 90.5580

 24.0753, 27.2245,  
8.2515


 179.5438,  
196.0472, 117.8145

 15.5145, 17.7419,  
4.1662

219.7869,  
239.4124, 150.0555

 9.2699, 10.7649,  
1.7170

265.6344,  
288.7427, 187.6993

 4.9762, 5.9090,  
0.3723

317.4516,

 2.2679, 2.7898,

344.4225, 231.1645

0.0000

375.6039,  
406.8361, 280.8697

■ 0.7782, 1.0230,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.3083, 74.5496,  
34.5089

■ 67.3083, 74.5496,  
34.5089

■ 64.9604, 72.3001,  
26.1846

■ 70.0543, 76.9873,  
44.8410

■ 62.9796, 70.2182,  
19.7300


■ 73.2161, 79.6122,  
57.2975


■ 61.3394, 68.2958,  
14.9966


■ 76.8168, 82.4364,  
71.9918


■ 60.0068, 66.5196,  
11.8117


■ 80.8761, 85.4679,  
89.0277


 58.9421, 64.8736,  
9.9665


 85.1698, 88.6172,  
107.2236

 58.2876, 63.7328,  
9.2296

 86.0797, 90.4371,  
107.5270

 87.0048, 92.2873,  
107.8353

 87.9451, 94.1679,  
108.1488

 88.9007, 96.0790,  
108.4673

# Harmonies

## Analogous

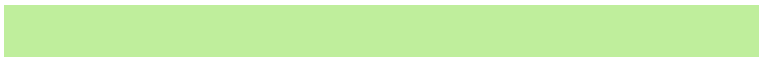
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5397, 74.5496, 36.1888



67.3083, 74.5496, 34.5089



58.0449, 74.5496, 42.5637

# Triad

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



67.3083, 74.5496, 34.5089



55.6367, 74.5496, 126.9642



92.8845, 74.5496, 104.3322

# Complementary

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



67.3083, 74.5496, 34.5089



36.8026, 33.3620, 86.1609

# 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.



85.4283, 74.5496, 138.0365



67.3083, 74.5496, 34.5089



63.6927, 74.5496, 153.2956

# Square

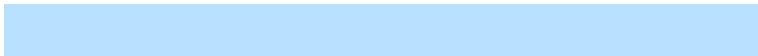
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.3083, 74.5496, 34.5089



51.7876, 74.5496, 91.9552



74.5286, 74.5496, 157.8070



94.1128, 74.5496, 71.2663

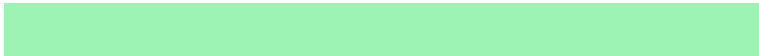


# Rectangle

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



67.3083, 74.5496, 34.5089



53.9382, 74.5496, 54.0185



74.5286, 74.5496, 157.8070



90.9889, 74.5496, 116.1728

# Sweetspot

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



67.3101, 74.5530, 34.5104



88.8323, 95.3810, 82.7303



50.0962, 38.4642, 33.8930



18.8073, 20.2564, 16.8561



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.



67.3101, 74.5530, 34.5104



75.6392, 84.1409, 31.6395



59.6312, 76.0400, 35.2022



16.9411, 18.0953, 16.7496



32.2789, 35.3559, 5.1231



2.7328, 3.0364, 0.4420



# Inverse Universe

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



36.8026, 33.3620, 86.1609



36.1014, 30.7788, 98.6459



42.0711, 33.1689, 85.8460



15.0595, 15.5532, 19.9299



8.9240, 4.0723, 45.4436

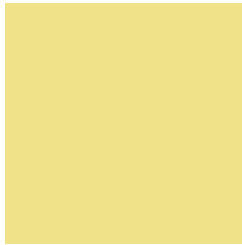


0.7938, 0.4416, 3.7976



# Previews

## White Background



This preview shows how the XYZ color 67.3083, 74.5496, 34.5089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

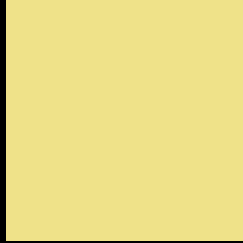
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3083, 74.5496, 34.5089 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 67.3083, 74.5496, 34.5089**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.3083, 74.5496, 34.5089.



This preview shows how white text looks on a background with the XYZ color 67.3083, 74.5496,



# 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

67.3083, 74.5496, 34.5089

### Protanopia

68.7558, 74.5014, 34.0489

### Deuteranopia

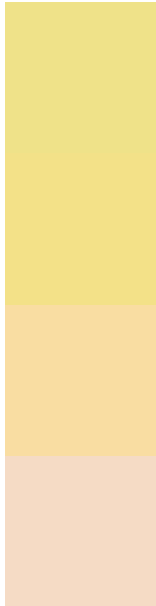
74.1479, 74.5374, 51.5534



## Tritanopia

77.7912, 74.5101, 85.8832

# Trichromacy



## Original Color

67.3083, 74.5496, 34.5089

## Protanomaly

68.3313, 74.6827, 34.1063

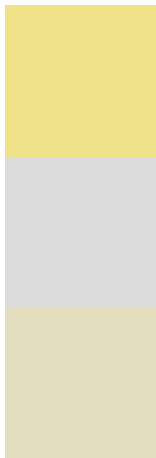
## Deuteranomaly

71.4450, 74.4613, 44.7893

## Tritanomaly

73.0658, 74.1067, 63.2764

# Monochromacy



## Original Color

67.3083, 74.5496, 34.5089

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

67.0941, 72.2912, 59.1325

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3083, 74.5496, 34.5089 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(239, 226, 137)` looks like.

```
.text, #text, p{  
    color:rgb(239, 226, 137)  
}
```

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(239, 226, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 226, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3083, 74.5496, 34.5089 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(239, 226, 137) }
```



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

```
.border{ border-color:rgb(239, 226, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 226, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 226, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 226, 137);  
box-shadow:4px 4px 4px 4px rgb(239, 226,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3083, 74.5496, 34.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 226, 137) }
```

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

```
.background{ background-color: rgb(239,  
226, 137) }
```

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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