

# Converting Colors

XYZ(67.2788, 78.5821, 41.3817)

Have a look what the booklet for  
XYZ(67.2788, 78.5821, 41.3817)  
contains.

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# Color

**XYZ(67.3415, 78.5888,  
41.3256)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3EC98
RGB	227, 236, 152
RGB Percent	89%, 93%, 60%
CMY	0.1098, 0.0745, 0.4039
CMYK	0.04, 0.00, 0.36, 0.07
HSL	66°, 69%, 76%
HSV	66°, 36%, 93%
XYZ	67.3415, 78.5888, 41.3256
YIQ	223.7330, 21.6000, -28.0320

# Conversions

## Conversions Part 2

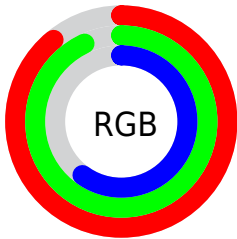
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 236, 161
Decimal	14937240
CIELab	91.05, -15.67, 39.76
CIELCh	91, 42.737, 111.510
Yxy	78.5888, 0.3596, 0.4197
Android (android.graphics.Color)	4293127320 (0xFFE3EC98)
YUV	223.7330, -35.3644, 2.8652
Hunter-Lab	88.6503, -19.5440, 34.4164

# Details

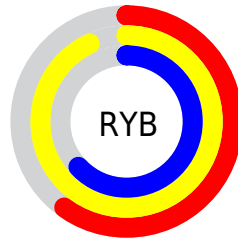
The XYZ color **67.3415, 78.5888, 41.3256** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.0694, 36.0917, 84.1632**, and the grayscale version is **70.8963, 74.5884, 81.2268**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **35.1991, 42.1087, 18.3292** is the 20% darker color. If you saturate the color by 10%, you get **64.8063, 77.4859, 32.1016**, and if you desaturate by 10%, it is **70.2770, 79.8586, 52.5789**.

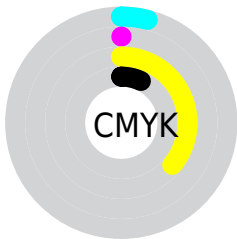
# Distribution



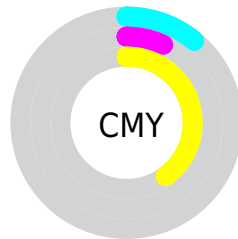
- Red (89%)
- Green (93%)
- Blue (60%)



- Red (60%)
- Yellow (93%)
- Blue (63%)



- Cyan (4%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3415, 78.5888, 41.3256 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 67.3415, 78.5888, 41.3256 by changing the saturation by 10% instead.




 67.3415, 78.5888,  
41.3256


 67.3415, 78.5888,  
41.3256


440.5728,  
490.1642, 367.3965

 49.6339, 58.5578,  
28.2520


 114.4567,  
131.3798, 78.4370

 35.3392, 42.2572,  
18.2750


 144.5950,  
164.9086, 103.3118

 24.0920, 29.3028,  
10.9761


179.6077,  
203.7054, 132.9574

 15.5270, 19.3100,  
5.9368


219.8600,  
248.1547, 167.7923

 9.2788, 11.8945,  
2.7385

265.7173,  
298.6408, 208.2352

 4.9820, 6.6719,  
0.9627

317.5449,

 2.2714, 3.2577,

355.5482, 254.7045

0.0000

375.7083,  
419.2612, 307.6187

■ 0.7800, 1.2677,  
0.0000

■ 0.0000, 0.1160,  
0.0000

■ 67.3415, 78.5888,  
41.3256

■ 67.3415, 78.5888,  
41.3256

■ 64.8063, 77.4859,  
32.1016

■ 70.2770, 79.8586,  
52.5789

■ 62.6425, 76.5303,  
24.7813


■ 73.6280, 81.2933,  
65.9674


■ 60.8267, 75.7151,  
19.2327


■ 77.4160, 82.9041,  
81.5955


■ 59.3302, 75.0290,  
15.3049

■ 81.6593, 84.6984,  
99.5594


 58.1195, 74.4586,  
12.8221


 83.8640, 85.6786,  
106.7253


 57.1534, 73.9873,  
11.5673

 84.7273, 86.1237,  
106.7657

 56.7765, 73.7996,  
11.2523

 85.6027, 86.5749,  
106.8066

 86.4902, 87.0324,  
106.8482

 87.3897, 87.4962,  
106.8903

# Harmonies

## Analogous

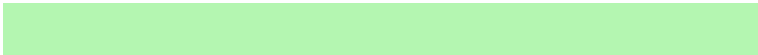
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8027, 78.5888, 39.2152



67.3415, 78.5888, 41.3256



59.5999, 78.5888, 53.6497

# Triad

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



67.3415, 78.5888, 41.3256



62.5089, 78.5888, 141.0385



97.1624, 78.5888, 94.6491

# Complementary

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



67.3415, 78.5888, 41.3256



41.0694, 36.0917, 84.1632

# 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.



92.1483, 78.5888, 128.1532



67.3415, 78.5888, 41.3256



71.6737, 78.5888, 158.8529

# Square

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



67.3415, 78.5888, 41.3256



57.0025, 78.5888, 109.2681



82.5680, 78.5888, 153.6415



95.7181, 78.5888, 65.5726

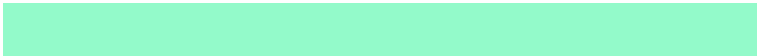


# Rectangle

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



67.3415, 78.5888, 41.3256



56.6906, 78.5888, 68.0689



82.5680, 78.5888, 153.6415



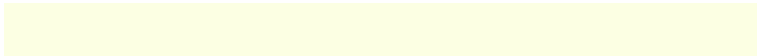
96.1601, 78.5888, 105.8395

# Sweetspot

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



67.3435, 78.5923, 41.3273



89.7605, 97.7574, 86.7750



52.9025, 45.3825, 35.6782



19.0826, 20.8689, 18.0396



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

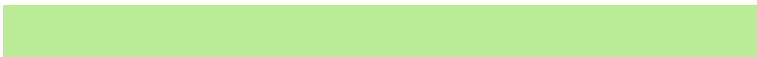
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3435, 78.5923, 41.3273



77.9445, 92.6734, 40.7094



55.8184, 72.6510, 40.7879



16.1836, 17.5402, 16.0514



31.3613, 40.7118, 6.2053



2.5083, 3.2204, 0.4894



# Inverse Universe

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



41.0694, 36.0917, 84.1632



42.1542, 34.7566, 99.0947



50.8366, 41.1268, 84.6203



14.3811, 14.6262, 18.9874



8.6223, 3.4809, 43.9604

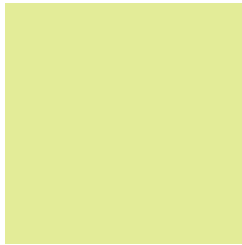


0.7272, 0.2992, 3.4543



# Previews

## White Background



This preview shows how the XYZ color 67.3415, 78.5888, 41.3256 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 67.3415, 78.5888, 41.3256 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

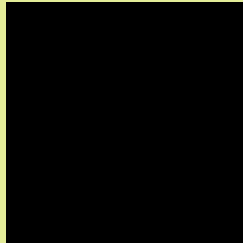
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.3415, 78.5888, 41.3256**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.3415, 78.5888, 41.3256.



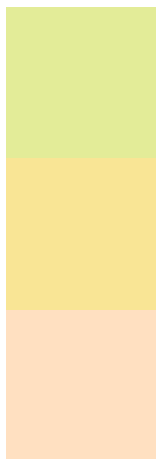
This preview shows how white text looks on a background with the XYZ color 67.3415, 78.5888,



# 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

67.3415, 78.5888, 41.3256

### Protanopia

72.5110, 78.3483, 39.7348

### Deuteranopia

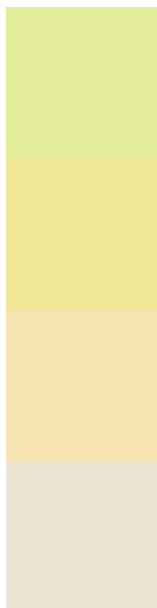
77.5213, 78.4216, 61.5031



## Tritanopia

78.3628, 78.4986, 95.8156

# Trichromacy



## Original Color

67.3415, 78.5888, 41.3256

## Protanomaly

70.6373, 78.6160, 40.3056

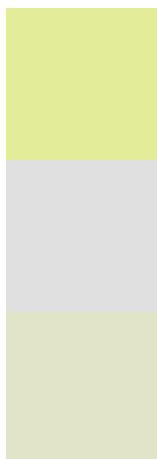
## Deuteranomaly

73.4355, 78.1136, 53.3265

## Tritanomaly

73.5839, 78.1842, 72.1855

# Monochromacy



## Original Color

67.3415, 78.5888, 41.3256

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

68.9878, 75.5716, 64.3768

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3415, 78.5888, 41.3256 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, 236, 152)` looks like.

```
.text, #text, p{  
    color:rgb(227, 236, 152)  
}
```

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, 236, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 236, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3415, 78.5888, 41.3256 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, 236, 152) }
```



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

```
.border{ border-color:rgb(227, 236, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 236, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 236, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 236, 152); box-shadow:4px 4px 4px 4px rgb(227, 236, 152) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3415, 78.5888, 41.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 236, 152) }
```

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

```
.background{ background-color: rgb(227,  
236, 152) }
```

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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