

# Converting Colors

XYZ(69.4365, 79.1506, 51.0083)

Have a look what the booklet for  
XYZ(69.4365, 79.1506, 51.0083)  
contains.

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# **Color**

**XYZ(69.2461, 78.9278,  
51.1201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4EBAD
RGB	228, 235, 173
RGB Percent	89%, 92%, 68%
CMY	0.1059, 0.0784, 0.3216
CMYK	0.03, 0.00, 0.26, 0.08
HSL	67°, 61%, 80%
HSV	67°, 26%, 92%
XYZ	69.2461, 78.9278, 51.1201
YIQ	225.8390, 15.7300, -20.7660

# Conversions

## Conversions Part 2

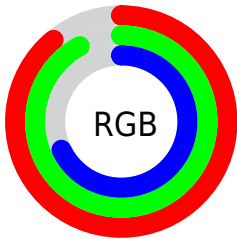
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 235, 180
Decimal	15002541
CIELab	91.20, -12.17, 29.39
CIELCh	91, 31.807, 112.495
Yxy	78.9278, 0.3475, 0.3960
Android (android.graphics.Color)	4293192621 (0xFFE4EBAD)
YUV	225.8390, -26.0496, 1.8952
Hunter-Lab	88.8413, -16.3430, 28.0729

# Details

The XYZ color **69.2461, 78.9278, 51.1201** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.7644, 45.5907, 84.8314**, and the grayscale version is **72.3485, 76.1162, 82.8906**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **36.5235, 42.3669, 24.0219** is the 20% darker color. If you saturate the color by 10%, you get **66.3341, 77.6691, 40.1397**, and if you desaturate by 10%, it is **72.5751, 80.3602, 64.2111**.

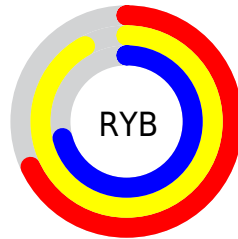
# Distribution



Red (89%)

Green (92%)

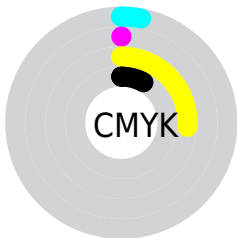
Blue (68%)



Red (68%)

Yellow (92%)

Blue (71%)

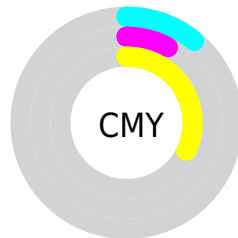


Cyan (3%)

Magenta (0%)

Yellow (26%)

Black (8%)



Cyan (11%)

Magenta (8%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2461, 78.9278, 51.1201 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 69.2461, 78.9278, 51.1201 by changing the saturation by 10% instead.



69.2461, 78.9278,  
51.1201

69.2461, 78.9278,  
51.1201

447.2063,  
491.3121, 407.8901

51.1895, 58.8364,  
35.9268

117.1652,  
131.8572, 93.2456

36.5811, 42.4815,  
24.0884

147.7584,  
165.4641, 121.0149

25.0555, 29.4785,  
15.1864

183.2611,  
204.3449, 153.8132

16.2474, 19.4431,  
8.8023

224.0389,  
248.8840, 192.0592

9.7913, 11.9909,  
4.5174

270.4569,  
299.4659, 236.1713

5.3220, 6.7375,  
1.9133

322.8806,

2.4741, 3.2985,

356.4750, 286.5682

0.5011

381.6752,  
420.2956, 343.6682

■ 0.8822, 1.2895,  
0.0000

■ 0.0000, 0.1330,  
0.0000

■ 69.2461, 78.9278,  
51.1201

■ 69.2461, 78.9278,  
51.1201

■ 66.3341, 77.6691,  
40.1397

■ 72.5751, 80.3602,  
64.2111

■ 63.8120, 76.5652,  
31.1543


■ 76.3346, 81.9635,  
79.5098


■ 61.6590, 75.6104,  
24.0454


■ 80.5447, 83.7486,  
97.1135

■ 59.8496, 74.7945,  
18.6795


■ 83.2289, 84.9249,  
106.6133

 58.3552, 74.1061,  
14.9058


 84.1301, 85.3895,  
106.6554


 57.1421, 73.5317,  
12.5477


 85.0445, 85.8609,  
106.6982

 56.1685, 73.0545,  
11.3846

 85.9722, 86.3391,  
106.7416

 55.8503, 72.8959,  
11.1267

 86.9132, 86.8243,  
106.7857

 87.8676, 87.3163,  
106.8303

# Harmonies

## Analogous

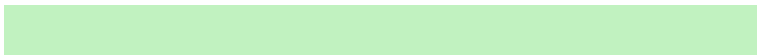
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0601, 78.9278, 49.0304



69.2461, 78.9278, 51.1201



63.3880, 78.9278, 61.6586

# Triad

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



69.2461, 78.9278, 51.1201



65.9766, 78.9278, 126.1584



91.4493, 78.9278, 91.8648

# Complementary

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



69.2461, 78.9278, 51.1201



48.7644, 45.5907, 84.8314

# Split Complementary

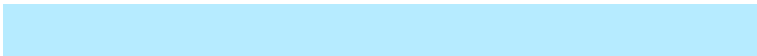
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9912, 78.9278, 115.8793



69.2461, 78.9278, 51.1201



73.0133, 78.9278, 137.8566

# Square

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



69.2461, 78.9278, 51.1201



61.5967, 78.9278, 104.0560



81.1031, 78.9278, 133.7921



90.2608, 78.9278, 70.0572

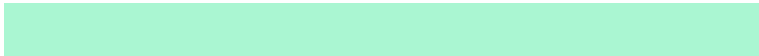


# Rectangle

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



69.2461, 78.9278, 51.1201



61.1931, 78.9278, 73.2730



81.1031, 78.9278, 133.7921



90.7837, 78.9278, 99.9864

# Sweetspot

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



69.2481, 78.9313, 51.1218



91.0948, 98.3205, 92.4712



57.9667, 53.0018, 46.7115



19.3472, 20.9804, 19.1743



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

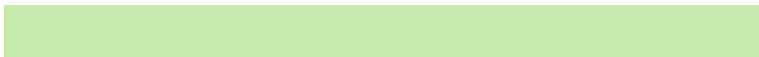
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2481, 78.9313, 51.1218



81.2707, 94.1058, 53.6192



60.4900, 74.4164, 50.7119



16.1746, 17.5356, 16.0509



31.1504, 40.6031, 6.1954



2.4938, 3.2129, 0.4887



# Inverse Universe

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



48.7644, 45.5907, 84.8314



52.5084, 47.2815, 100.9665



56.5768, 49.6181, 85.1971



14.3892, 14.6304, 18.9878



8.6435, 3.4918, 43.9614

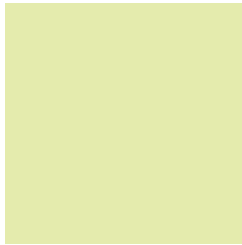


0.7311, 0.3012, 3.4545



# Previews

## White Background



This preview shows how the XYZ color 69.2461, 78.9278, 51.1201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

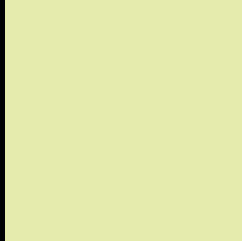
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.2461, 78.9278, 51.1201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

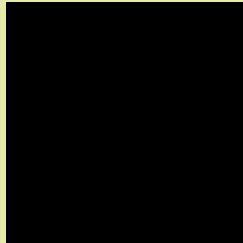
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.2461, 78.9278, 51.1201

## Background



This preview shows how black text looks on a background with the XYZ color 69.2461, 78.9278, 51.1201.



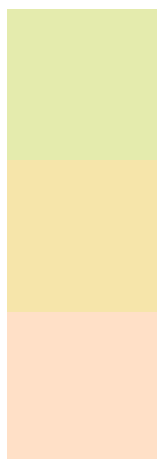
This preview shows how white text looks on a background with the XYZ color 69.2461, 78.9278,



# 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

69.2461, 78.9278, 51.1201

### Protanopia

73.2810, 78.5337, 49.3264

### Deuteranopia

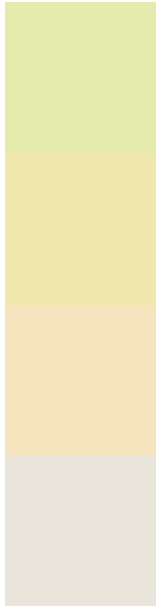
78.2045, 78.6948, 65.1006



## Tritanopia

78.4505, 78.9289, 96.6880

# Trichromacy



## Original Color

69.2461, 78.9278, 51.1201

## Protanomaly

71.5232, 78.4428, 49.8994

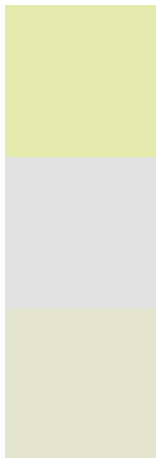
## Deuteranomaly

74.6939, 78.6170, 59.9530

## Tritanomaly

74.6059, 78.5930, 77.5675

# Monochromacy



## Original Color

69.2461, 78.9278, 51.1201

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

70.9603, 76.8745, 70.1297

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.2461, 78.9278, 51.1201 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(228, 235, 173)` looks like.

```
.text, #text, p{  
    color:rgb(228, 235, 173)  
}
```

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(228, 235, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 235, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 69.2461, 78.9278, 51.1201 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(228, 235, 173) }
```



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

```
.border{ border-color:rgb(228, 235, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 235, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 235, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 235, 173);  
box-shadow:4px 4px 4px 4px rgb(228, 235,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.2461, 78.9278, 51.1201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 235, 173) }
```

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

```
.background{ background-color: rgb(228,  
235, 173) }
```

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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