

Converting Colors

XYZ(69.2431, 78.8039, 51.2389)

Have a look what the booklet for
XYZ(69.2431, 78.8039, 51.2389)
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

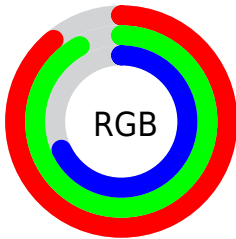
Format	Color
RYB	173, 235, 180
Decimal	15002541
CIELab	91.20, -12.17, 29.39
CIELCh	91, 31.807, 112.495
Yxy	78.9278, 0.3475, 0.3960
Android (android.graphics.Color)	4293192621 (0xFFE4EBAD)
YUV	225.8390, -26.0496, 1.8952
Hunter-Lab	88.8413, -16.3430, 28.0729

Details

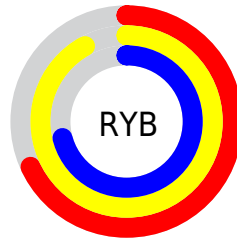
The XYZ color **69.2461, 78.9278, 51.1201** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.7644, 45.5907, 84.8314**, and the grayscale version is **72.3485, 76.1162, 82.8906**.

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**.

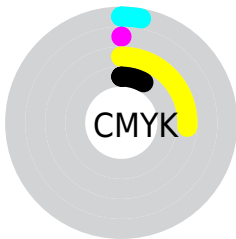
Distribution



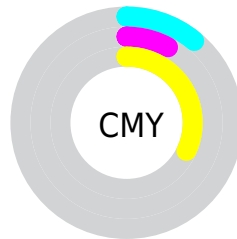
- Red (89%)
- Green (92%)
- Blue (68%)



- 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

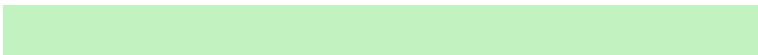
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



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

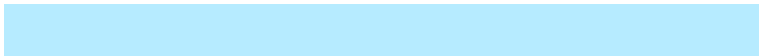
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



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



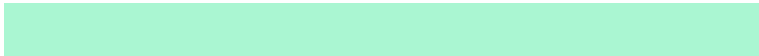
90.2608, 78.9278, 70.0572

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



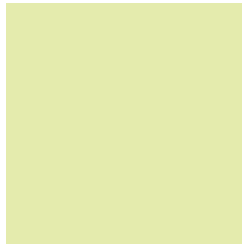
8.6435, 3.4918, 43.9614



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

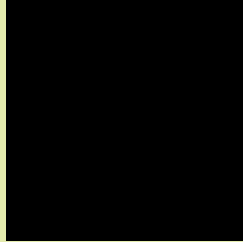
Large Text (above 18pt) WCAG AAA ✓ Pass

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.

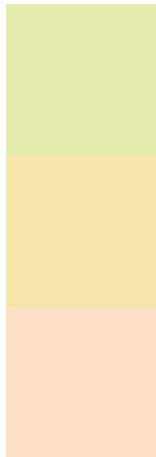


This preview shows how white text looks on a background with the XYZ color 69.2461, 78.9278,

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

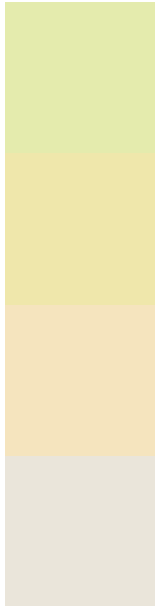
78.2045, 78.6948, 65.1006



Tritanopia

78.4505, 78.9289, 96.6880

Trichromacy



Original Color

69.2461, 78.9278, 51.1201

Protanomaly

71.5232, 78.4428, 49.8994

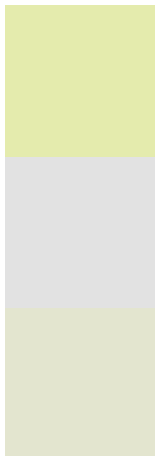
Deuteranomaly

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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