

Converting Colors

XYZ(69.5762, 78.2609, 51.9617)

Have a look what the booklet for
XYZ(69.5762, 78.2609, 51.9617)
contains.

XYZ(69.5099, 78.1960, 51.9872)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.5099, 78.1960,
51.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	E6E9AF
RGB	230, 233, 175
RGB Percent	90%, 91%, 69%
CMY	0.0980, 0.0863, 0.3137
CMYK	0.01, 0.00, 0.25, 0.09
HSL	63°, 57%, 80%
HSV	63°, 25%, 91%
XYZ	69.5099, 78.1960, 51.9872
YIQ	225.4910, 16.8300, -18.6740

Conversions

Conversions Part 2

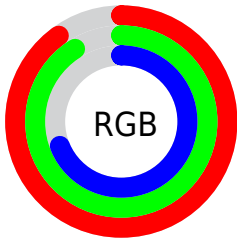
Format	Color
RYB	175, 233, 178
Decimal	15133103
CIELab	90.87, -10.17, 27.94
CIELCh	91, 29.732, 109.995
Yxy	78.1960, 0.3481, 0.3916
Android (android.graphics.Color)	4293323183 (0xFFE6E9AF)
YUV	225.4910, -24.8921, 3.9544
Hunter-Lab	88.4285, -14.4386, 27.0433

Details

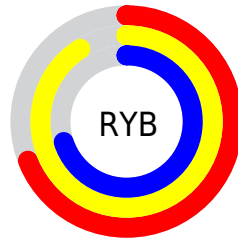
The XYZ color **69.5099, 78.1960, 51.9872** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.4011, 46.0102, 83.4251**, and the grayscale version is **72.0884, 75.8426, 82.5926**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **36.6906, 41.8481, 24.5560** is the 20% darker color. If you saturate the color by 10%, you get **67.0308, 77.1624, 40.9387**, and if you desaturate by 10%, it is **72.3907, 79.3959, 65.1189**.

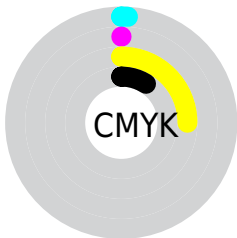
Distribution



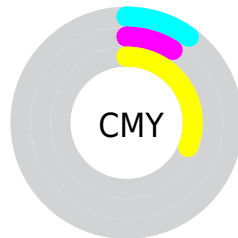
- Red (90%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (70%)



- Cyan (1%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)



- Cyan (10%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5099, 78.1960, 51.9872 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 69.5099, 78.1960, 51.9872 by changing the saturation by 10% instead.

69.5099, 78.1960,
51.9872

69.5099, 78.1960,
51.9872

448.1206,
488.8322, 411.3427

51.4052, 58.2350,
36.6127

117.5397,
130.8264, 94.5388

36.7536, 41.9976,
24.6143

148.1955,
164.2646, 122.5529

25.1895, 29.0994,
15.5736

183.7657,
202.9639, 155.6173

16.3478, 19.1560,
9.0718

224.6157,
247.3088, 194.1506

9.8630, 11.7831,
4.6906

271.1108,
297.6837, 238.5712

5.3698, 6.5962,
2.0114

323.6165,

2.5028, 3.2108,

354.4730, 289.2977

0.5622

382.4979,
418.0610, 346.7487

■ 0.8967, 1.2428,
0.0000

■ 0.0000, 0.0962,
0.0000

■ 69.5099, 78.1960,
51.9872

■ 69.5099, 78.1960,
51.9872

■ 67.0308, 77.1624,
40.9387

■ 72.3907, 79.3959,
65.1189

■ 64.9269, 76.2766,
31.8615


■ 75.6859, 80.7592,
80.4278


■ 63.1783, 75.5332,
24.6412


■ 79.4152, 82.2965,
98.0085


■ 61.7606, 74.9224,
19.1491


■ 81.3954, 83.1344,
106.3643

 60.6462, 74.4333,
15.2405


 81.7950, 83.3404,
106.3830


 59.8033, 74.0530,
12.7473


 82.1974, 83.5479,
106.4018

 59.1925, 73.7659,
11.4630

 82.6025, 83.7567,
106.4208

 58.9388, 73.6427,
11.1081

 83.0102, 83.9669,
106.4399

 83.4208, 84.1785,
106.4591

Harmonies

Analogous

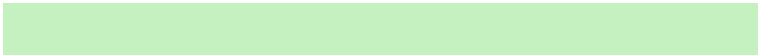
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8514, 78.1960, 50.6617



69.5099, 78.1960, 51.9872



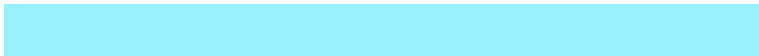
63.8355, 78.1960, 61.3000

Triad

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



69.5099, 78.1960, 51.9872



65.4500, 78.1960, 120.7753



89.4152, 78.1960, 92.5054

Complementary

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



69.5099, 78.1960, 51.9872



48.4011, 46.0102, 83.4251

Split Complementary

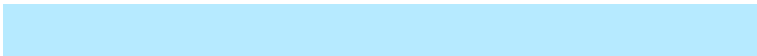
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9004, 78.1960, 114.4811



69.5099, 78.1960, 51.9872



71.8506, 78.1960, 132.5220

Square

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



69.5099, 78.1960, 51.9872



61.6029, 78.1960, 100.0270



79.3532, 78.1960, 130.0429



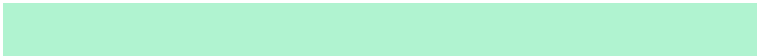
88.6835, 78.1960, 71.8125

Rectangle

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



69.5099, 78.1960, 51.9872



61.6037, 78.1960, 71.8062



79.3532, 78.1960, 130.0429



88.6825, 78.1960, 100.0348

Sweetspot

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



69.5119, 78.1995, 51.9889



91.9685, 98.7282, 94.4449



57.2452, 52.2218, 47.6212



19.6308, 21.1095, 19.9621



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

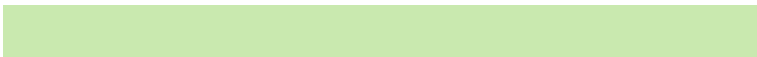
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5119, 78.1995, 51.9889



83.6428, 95.2704, 56.3637



60.9940, 73.8083, 51.5902



16.2703, 17.5849, 16.0554



33.4746, 41.8013, 6.3042



2.6523, 3.2946, 0.4961

Inverse Universe

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



48.4011, 46.0102, 83.4251



53.4713, 49.2618, 101.2980



55.7446, 49.7959, 83.7688



14.3034, 14.5862, 18.9838



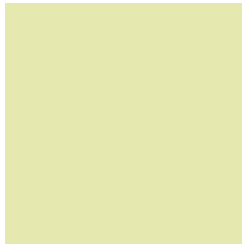
8.4631, 3.3988, 43.9529



0.6901, 0.2800, 3.4526

Previews

White Background



This preview shows how the XYZ color 69.5099, 78.1960, 51.9872 looks on a white background.

Color Contrast Check

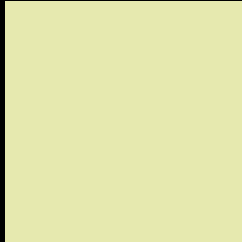
Large Text (above 18pt) WCAG AA × Fail

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 69.5099, 78.1960, 51.9872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

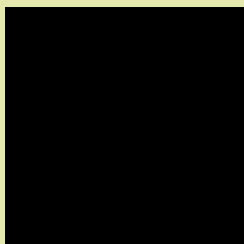
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

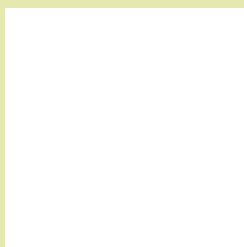
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5099, 78.1960, 51.9872

Background



This preview shows how black text looks on a background with the XYZ color 69.5099, 78.1960, 51.9872.



This preview shows how white text looks on a background with the XYZ color 69.5099, 78.1960,

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

69.5099, 78.1960, 51.9872

Protanopia

72.9424, 77.9164, 50.7301

Deuteranopia

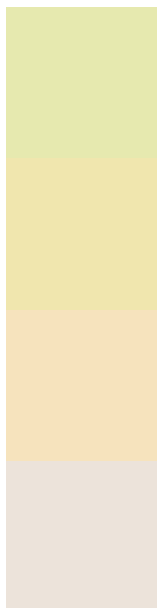
77.7057, 78.0666, 63.7961



Tritanopia

78.2793, 78.0728, 94.9482

Trichromacy



Original Color

69.5099, 78.1960, 51.9872

Protanomaly

71.8720, 78.1749, 51.3456

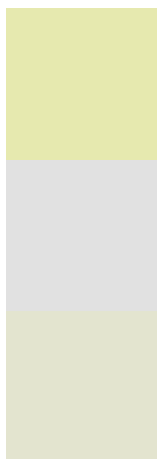
Deuteranomaly

74.6604, 78.2051, 59.3042

Tritanomaly

74.7160, 77.8330, 77.4150

Monochromacy



Original Color

69.5099, 78.1960, 51.9872

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.6844, 76.3227, 70.0378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5099, 78.1960, 51.9872 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(230, 233, 175)` looks like.

```
.text, #text, p{  
    color:rgb(230, 233, 175)  
}
```

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(230, 233, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 233, 175) }
```

Border

The CSS property to change the border of an element to XYZ 69.5099, 78.1960, 51.9872 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(230, 233, 175) }
```


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

```
.border{ border-color:rgb(230, 233, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 233, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 233, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 233, 175);  
box-shadow:4px 4px 4px 4px rgb(230, 233,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5099, 78.1960, 51.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 233, 175) }
```

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

```
.background{ background-color: rgb(230,  
233, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor