

# Converting Colors

XYZ(72.9111, 82.8485, 51.4737)

Have a look what the booklet for  
XYZ(72.9111, 82.8485, 51.4737)  
contains.

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# Color

**XYZ(72.9639, 82.9995,  
51.7101)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF0AD
RGB	235, 240, 173
RGB Percent	92%, 94%, 68%
CMY	0.0784, 0.0588, 0.3216
CMYK	0.02, 0.00, 0.28, 0.06
HSL	64°, 69%, 81%
HSV	64°, 28%, 94%
XYZ	72.9639, 82.9995, 51.7101
YIQ	230.8670, 18.5270, -21.8970

# Conversions

## Conversions Part 2

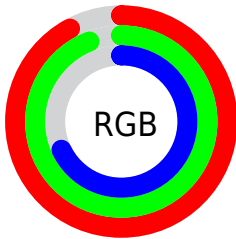
Format	Color
<a href="#">RYB</a>	<a href="#">173, 240, 178</a>
Decimal	<a href="#">15462573</a>
CIELab	<a href="#">93.01, -12.07, 31.92</a>
CIElCh	<a href="#">93, 34.122, 110.717</a>
Yxy	<a href="#">82.9995, 0.3513, 0.3997</a>
Android (android.graphics.Color)	<a href="#">4293652653</a> ( <a href="#">0xFFEBF0AD</a> )
YUV	<a href="#">230.8670, -28.5284, 3.6246</a>
Hunter-Lab	<a href="#">91.1041, -16.4741, 30.1202</a>

# Details

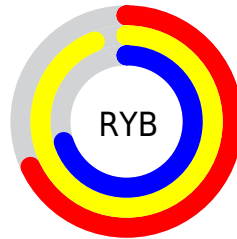
The XYZ color **72.9639, 82.9995, 51.7101** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.0350, 45.6456, 88.6689**, and the grayscale version is **76.0544, 80.0152, 87.1365**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **39.1211, 45.2208, 24.4359** is the 20% darker color. If you saturate the color by 10%, you get **70.2589, 81.8523, 40.5305**, and if you desaturate by 10%, it is **76.0964, 84.3241, 65.0906**.

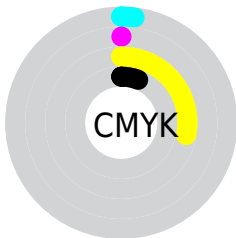
# Distribution



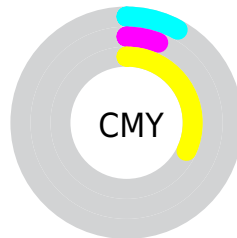
- Red (92%)
- Green (94%)
- Blue (68%)



- Red (68%)
- Yellow (94%)
- Blue (70%)



- Cyan (2%)
- Magenta (0%)
- Yellow (28%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9639, 82.9995, 51.7101 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 72.9639, 82.9995, 51.7101 by changing the saturation by 10% instead.



72.9639, 82.9995,  
51.7101

72.9639, 82.9995,  
51.7101

459.9954,  
504.9849, 410.2415

54.2347, 62.1897,  
36.3934

122.4294,  
137.5748, 94.1258

39.0208, 45.1860,  
24.4461

153.8964,  
172.1090, 122.0618

26.9567, 31.6040,  
15.4496

190.3400,  
211.9870, 155.0415

17.6771, 21.0592,  
8.9854

232.1257,  
257.5929, 193.4831

10.8167, 13.1673,  
4.6350

279.6187,  
309.3113, 237.8054

6.0101, 7.5438,  
1.9798

333.1844,

2.8919, 3.8045,

367.5265, 288.4269

0.5428

393.1882,  
432.6229, 345.7661

■ 1.0969, 1.5648,  
0.0000

■ 0.0225, 0.3337,  
0.0000

■ 72.9639, 82.9995,  
51.7101

■ 72.9639, 82.9995,  
51.7101

■ 70.2589, 81.8523,  
40.5305

■ 76.0964, 84.3241,  
65.0906

■ 67.9525, 80.8624,  
31.4289


■ 79.6706, 85.8232,  
80.7755


■ 66.0226, 80.0238,  
24.2784


■ 83.7081, 87.5083,  
98.8684


■ 64.4419, 79.3255,  
18.9361


■ 85.8891, 88.4515,  
107.1538

 63.1796, 78.7553,  
15.2394


 86.5081, 88.7707,  
107.1827

 62.1993, 78.2985,  
12.9972


 87.1332, 89.0929,  
107.2120

 61.4513, 77.9353,  
11.9477

 87.7644, 89.4183,  
107.2415

 61.3093, 77.8653,  
11.7982

 88.4017, 89.7469,  
107.2713

 89.0451, 90.0785,  
107.3015

# Harmonies

## Analogous

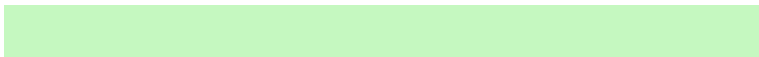
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6936, 82.9995, 49.9807



72.9639, 82.9995, 51.7101



66.3198, 82.9995, 62.6535

# Triad

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



72.9639, 82.9995, 51.7101



68.4997, 82.9995, 134.0735



97.0940, 82.9995, 98.5472

# Complementary

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



72.9639, 82.9995, 51.7101



49.0350, 45.6456, 88.6689

# Split Complementary

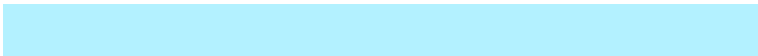
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.9526, 82.9995, 125.2555



72.9639, 82.9995, 51.7101



76.1484, 82.9995, 148.1699

# Square

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



72.9639, 82.9995, 51.7101



63.8808, 82.9995, 108.9256



85.1255, 82.9995, 144.6693



96.0799, 82.9995, 74.0554

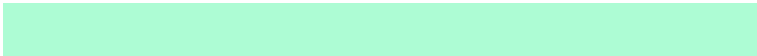


# Rectangle

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



72.9639, 82.9995, 51.7101



63.7532, 82.9995, 75.0730



85.1255, 82.9995, 144.6693



96.2477, 82.9995, 107.6207

# Sweetspot

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



72.9660, 83.0032, 51.7119



91.3792, 98.4672, 92.4845



59.2953, 53.1735, 46.6747



19.4194, 21.0176, 19.1776



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.



72.9660, 83.0032, 51.7119



81.7529, 94.4105, 51.1067



63.0721, 77.9027, 51.2488



16.9996, 18.3955, 16.8044



33.6100, 42.6481, 6.4605



2.8305, 3.5657, 0.5391



# Inverse Universe

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



49.0350, 45.6456, 88.6689



49.7373, 44.4244, 100.5611



57.5288, 50.0243, 89.0664



15.0066, 15.2851, 19.8810



8.7866, 3.5350, 45.3471

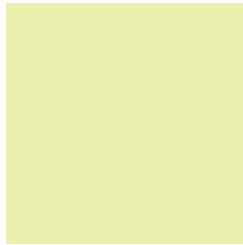


0.7687, 0.3135, 3.7742



# Previews

## White Background



This preview shows how the XYZ color 72.9639, 82.9995, 51.7101 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

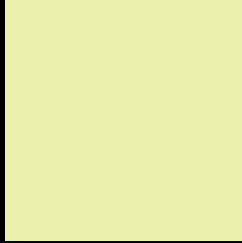
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9639, 82.9995, 51.7101 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

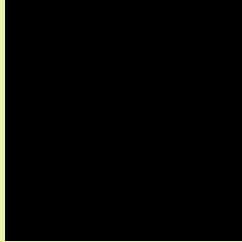
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

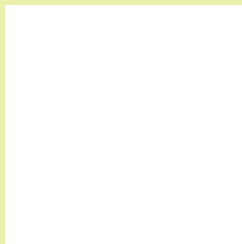
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.9639, 82.9995, 51.7101

## Background



This preview shows how black text looks on a background with the XYZ color 72.9639, 82.9995, 51.7101.



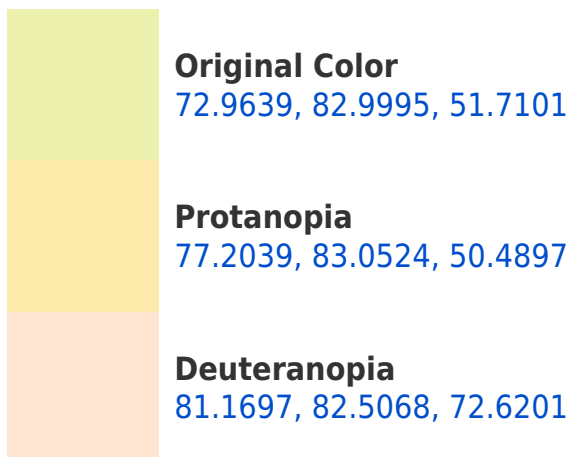
This preview shows how white text looks on a background with the XYZ color 72.9639, 82.9995,



# 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

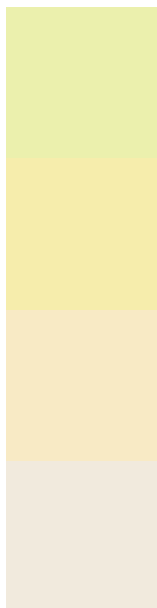




## Tritanopia

82.8963, 82.7834, 100.4166

# Trichromacy



## Original Color

72.9639, 82.9995, 51.7101

## Protanomaly

75.7366, 83.1398, 51.0856

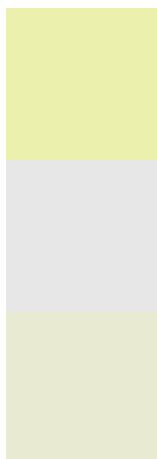
## Deuteranomaly

78.2123, 82.8333, 64.6895

## Tritanomaly

78.7496, 82.7669, 80.2317

# Monochromacy



## Original Color

72.9639, 82.9995, 51.7101

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

74.3344, 80.6546, 72.6228

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9639, 82.9995, 51.7101 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(235, 240, 173)` looks like.

```
.text, #text, p{  
    color:rgb(235, 240, 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(235, 240, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 240, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9639, 82.9995, 51.7101 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(235, 240, 173) }
```



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

```
.border{ border-color:rgb(235, 240, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 240, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 240, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 240, 173);  
box-shadow:4px 4px 4px 4px rgb(235, 240,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9639, 82.9995, 51.7101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 240, 173) }
```

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

```
.background{ background-color: rgb(235,  
240, 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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