

Converting Colors

XYZ(67.4880, 72.9164, 39.6616)

Have a look what the booklet for
XYZ(67.4880, 72.9164, 39.6616)
contains.

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Color

**XYZ(67.6424, 73.0022,
39.8039)**

Conversions

Conversions Part 1

Format	Color
Hex	F0DE97
RGB	240, 222, 151
RGB Percent	94%, 87%, 59%
CMY	0.0588, 0.1294, 0.4078
CMYK	0.00, 0.07, 0.37, 0.06
HSL	48°, 75%, 77%
HSV	48°, 37%, 94%
XYZ	67.6424, 73.0022, 39.8039
YIQ	219.2880, 33.5190, -18.2650

Conversions

Conversions Part 2

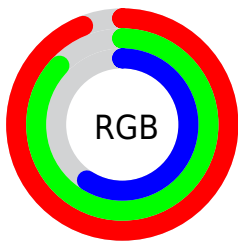
Format	Color
RYB	174, 240, 151
Decimal	15785623
CIELab	88.45, -3.80, 37.08
CIELCh	88, 37.273, 95.858
Yxy	73.0022, 0.3749, 0.4046
Android (android.graphics.Color)	4293975703 (0xFFFF0DE97)
YUV	219.2880, -33.6660, 18.1644
Hunter-Lab	85.4413, -8.2070, 32.1879

Details

The XYZ color **67.6424, 73.0022, 39.8039** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.6784, 41.2453, 88.1499**, and the grayscale version is **67.7437, 71.2717, 77.6148**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **35.5993, 38.6056, 17.3797** is the 20% darker color. If you saturate the color by 10%, you get **64.6186, 69.7627, 30.1393**, and if you desaturate by 10%, it is **71.1037, 76.4814, 51.5735**.

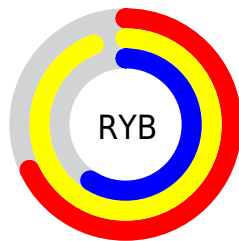
Distribution



Red (94%)

Green (87%)

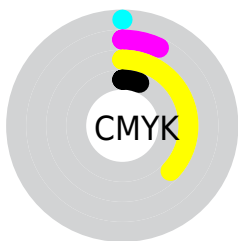
Blue (59%)



Red (68%)

Yellow (94%)

Blue (59%)

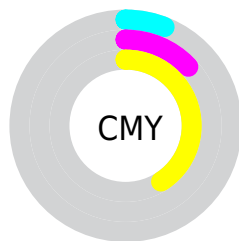


Cyan (0%)

Magenta (7%)

Yellow (37%)

Black (6%)



Cyan (6%)

Magenta (13%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6424, 73.0022, 39.8039 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 67.6424, 73.0022, 39.8039 by changing the saturation by 10% instead.

67.6424, 73.0022,
39.8039

67.6424, 73.0022,
39.8039

441.6246,
471.0224, 360.8238

49.8795, 53.9778,
27.0731

114.8851,
123.4803, 76.0986

35.5351, 38.5839,
17.3952

145.0957,
155.7028, 100.4996

24.2438, 26.4362,
10.3517

180.1861,
193.0934, 129.6277

15.6403, 17.1502,
5.5241

220.5219,
236.0366, 163.9014

9.3592, 10.3417,
2.4939

266.4682,
284.9167, 203.7394

5.0352, 5.6261,
0.8369

318.3906,

2.3029, 2.6191,

340.1181, 249.5601

0.0000

376.6542,
402.0252, 301.7820

■ 0.7961, 0.9363,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.6424, 73.0022,
39.8039

■ 67.6424, 73.0022,
39.8039

■ 64.6186, 69.7627,
30.1393

■ 71.1037, 76.4814,
51.5735

■ 62.0024, 66.7424,
22.4473

■ 75.0196, 80.1996,
65.5604

■ 59.7683, 63.9333,
16.5878

■ 79.4127, 84.1690,
81.8745

■ 57.8856, 61.3227,
12.4003

■ 84.3026, 88.3979,
100.6169

■ 56.3182, 58.8955,
9.6962

■ 87.0226, 91.8201,
107.7442

■ 55.0196, 56.6327,
8.2324

■ 88.5201, 94.8150,
108.2434

■ 54.6700, 55.9948,
7.9267

■ 89.7452, 97.2653,
108.6517

Harmonies

Analogous

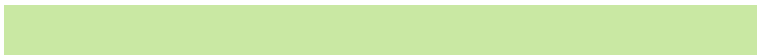
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6765, 73.0022, 42.4190



67.6424, 73.0022, 39.8039



59.7730, 73.0022, 45.8201

Triad

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



67.6424, 73.0022, 39.8039



56.3351, 73.0022, 112.0455



86.3308, 73.0022, 101.4311

Complementary

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



67.6424, 73.0022, 39.8039



42.6784, 41.2453, 88.1499

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.



79.9790, 73.0022, 126.5746



67.6424, 73.0022, 39.8039



62.5737, 73.0022, 133.5684

Square

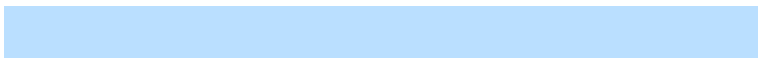
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6424, 73.0022, 39.8039



53.6158, 73.0022, 84.6313



71.1601, 73.0022, 139.3886



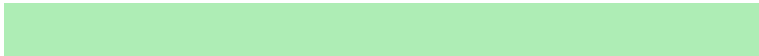
87.9809, 73.0022, 74.5555

Rectangle

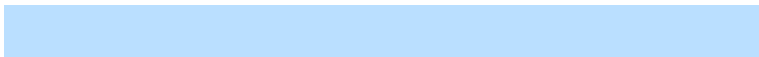
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6424, 73.0022, 39.8039



56.0780, 73.0022, 54.8791



71.1601, 73.0022, 139.3886



84.6495, 73.0022, 110.5308

Sweetspot

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



67.6442, 73.0056, 39.8054



89.0756, 94.7581, 86.2322



54.2849, 43.5723, 43.7210



18.9185, 20.1492, 17.9094



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.



67.6442, 73.0056, 39.8054



75.1281, 81.1278, 37.6068



64.7072, 78.9690, 41.1113



16.8357, 17.8845, 16.7144



30.0244, 30.8468, 4.3716



2.5656, 2.7020, 0.3863

Inverse Universe

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



42.6784, 41.2453, 88.1499



42.8859, 40.1274, 100.0928



44.7491, 37.6808, 87.3527



15.1561, 15.7463, 19.9621



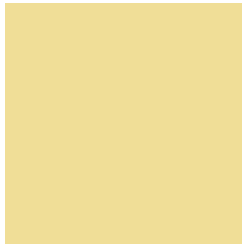
9.2752, 4.7746, 45.5606



0.8399, 0.5338, 3.8130

Previews

White Background



This preview shows how the XYZ color 67.6424, 73.0022, 39.8039 looks on a white background.

Color Contrast Check

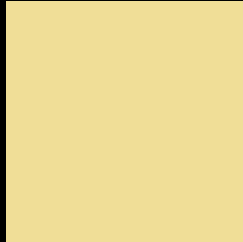
Large Text (above 18pt) WCAG AA × Fail

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 67.6424, 73.0022, 39.8039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

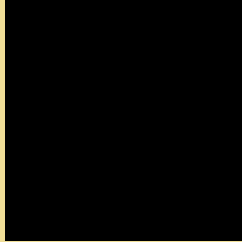
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6424, 73.0022, 39.8039

Background



This preview shows how black text looks on a background with the XYZ color 67.6424, 73.0022, 39.8039.

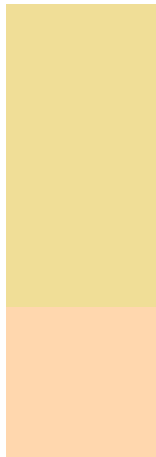


This preview shows how white text looks on a background with the XYZ color 67.6424, 73.0022,

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

67.6424, 73.0022, 39.8039

Protanopia

67.6424, 73.0022, 39.8039

Deuteranopia

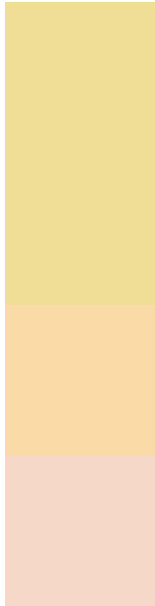
73.1804, 72.9169, 50.2617



Tritanopia

76.7533, 72.8838, 84.1514

Trichromacy



Original Color

67.6424, 73.0022, 39.8039

Protanomaly

67.6424, 73.0022, 39.8039

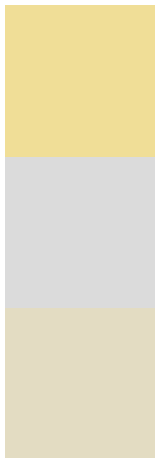
Deuteranomaly

71.3787, 73.2200, 46.4472

Tritanomaly

73.1045, 72.9216, 65.4806

Monochromacy



Original Color

67.6424, 73.0022, 39.8039

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.0094, 71.4123, 61.2911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6424, 73.0022, 39.8039 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(240, 222, 151)` looks like.

```
.text, #text, p{  
    color:rgb(240, 222, 151)  
}
```

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(240, 222, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 222, 151) }
```

Border

The CSS property to change the border of an element to XYZ 67.6424, 73.0022, 39.8039 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(240, 222, 151) }
```


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

```
.border{ border-color:rgb(240, 222, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 222, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 222, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 222, 151); box-shadow:4px 4px 4px 4px rgb(240, 222, 151) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6424, 73.0022, 39.8039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 222, 151) }
```

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

```
.background{ background-color: rgb(240,  
222, 151) }
```

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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