

Converting Colors

XYZ(73.6380, 82.9670, 49.4366)

Have a look what the booklet for
XYZ(73.6380, 82.9670, 49.4366)
contains.

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Color

**XYZ(73.6245, 82.9483,
49.6663)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEFA9
RGB	239, 239, 169
RGB Percent	94%, 94%, 66%
CMY	0.0627, 0.0627, 0.3372
CMYK	0.00, 0.00, 0.29, 0.06
HSL	60°, 69%, 80%
HSV	60°, 29%, 94%
XYZ	73.6245, 82.9483, 49.6663
YIQ	231.0200, 22.4700, -21.7700

Conversions

Conversions Part 2

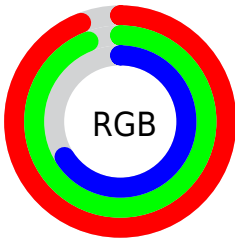
Format	Color
R_{YB}	169, 239, 169
Decimal	15724457
CIE _{Lab}	92.99, -10.60, 33.96
CIE _{LCh}	93, 35.575, 107.329
Y _{xy}	82.9483, 0.3570, 0.4022
Android (android.graphics.Color)	4293914537 (0xFFEFEFA9)
YUV	231.0200, -30.5759, 6.9985
Hunter-Lab	91.0760, -15.0861, 31.4207

Details

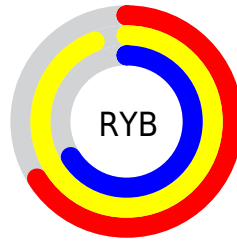
The XYZ color **73.6245, 82.9483, 49.6663** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **46.1333, 43.0451, 87.5432**, and the grayscale version is **76.1810, 80.1484, 87.2816**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **39.3773, 45.0730, 23.1476** is the 20% darker color. If you saturate the color by 10%, you get **71.5829, 82.1345, 38.9099**, and if you desaturate by 10%, it is **76.0805, 83.9337, 62.5863**.

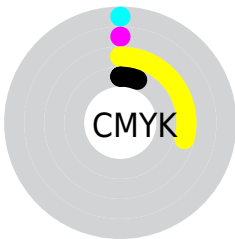
Distribution



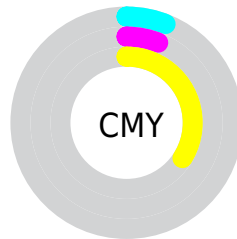
- Red (94%)
- Green (94%)
- Blue (66%)



- Red (66%)
- Yellow (94%)
- Blue (66%)



- Cyan (0%)
- Magenta (0%)
- Yellow (29%)
- Black (6%)





- Cyan (6%)
- Magenta (6%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6245, 82.9483, 49.6663 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 73.6245, 82.9483, 49.6663 by changing the saturation by 10% instead.


 73.6245, 82.9483,
49.6663

 73.6245, 82.9483,
49.6663

462.2467,
504.8142, 402.0572

 54.7770, 62.1475,
34.7790


 123.3617,
137.5030, 91.0715

 39.4563, 45.1519,
23.2105


154.9821,
172.0258, 118.4264

 27.2972, 31.5771,
14.5423


191.5908,
211.8913, 150.7743

 17.9343, 21.0387,
8.3557

233.5532,
257.4840, 188.5337

 11.0022, 13.1523,
4.2324

281.2347,
309.1882, 232.1232

 6.1356, 7.5335,
1.7537

335.0005,

 2.9692, 3.7979,

367.3884, 281.9612

0.3971

395.2161,
432.4689, 338.4663

■ 1.1375, 1.5612,
0.0000

■ 0.0561, 0.3312,
0.0000

■ 73.6245, 82.9483,
49.6663

■ 73.6245, 82.9483,
49.6663

■ 71.5829, 82.1345,
38.9099

■ 76.0805, 83.9337,
62.5863

■ 69.9271, 81.4721,
30.1940

■ 78.9652, 85.0876,
77.7734

■ 68.6346, 80.9550,
23.3913

■ 82.3001, 86.4217,
95.3309

■ 67.6781, 80.5723,
18.3580

■ 84.5178, 87.3088,
107.0055

67.0264, 80.3116,
14.9303

84.5185, 87.3092,
107.0055

66.6427, 80.1580,
12.9135

84.5192, 87.3095,
107.0055

66.4693, 80.0886,
12.0041

84.5199, 87.3099,
107.0056

66.4600, 80.0848,
11.9551

84.5206, 87.3103,
107.0056

84.5213, 87.3106,
107.0056

Harmonies

Analogous

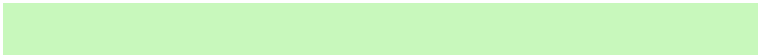
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8343, 82.9483, 48.9456



73.6245, 82.9483, 49.6663



66.3906, 82.9483, 59.8199

Triad

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



73.6245, 82.9483, 49.6663



67.3126, 82.9483, 133.5247



97.6371, 82.9483, 102.0421

Complementary

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



73.6245, 82.9483, 49.6663



46.1333, 43.0451, 87.5432

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.



92.7556, 82.9483, 129.7356



73.6245, 82.9483, 49.6663



74.9760, 82.9483, 150.1748

Square

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



73.6245, 82.9483, 49.6663



62.9484, 82.9483, 106.4728



84.2959, 82.9483, 148.6655



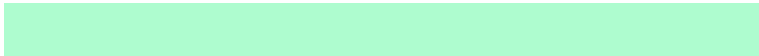
97.2033, 82.9483, 75.8835

Rectangle

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



73.6245, 82.9483, 49.6663



63.4410, 82.9483, 71.9531



84.2959, 82.9483, 148.6655



96.5483, 82.9483, 111.5655

Sweetspot

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



73.6266, 82.9520, 49.6680



91.5719, 98.6087, 90.5882



56.9487, 49.5932, 44.1082



19.4884, 21.0616, 18.8015



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.



73.6266, 82.9520, 49.6680



83.8572, 95.5225, 49.9742



62.9330, 77.4393, 49.1676



17.1228, 18.4590, 16.8102



36.7252, 44.2541, 6.6063



3.0552, 3.6815, 0.5496

Inverse Universe

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



46.1333, 43.0451, 87.5432



47.3160, 42.4825, 100.3139



54.6723, 47.4471, 87.9428



14.8975, 15.2288, 19.8759



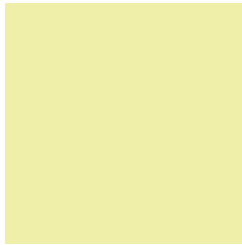
8.6100, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Previews

White Background



This preview shows how the XYZ color 73.6245, 82.9483, 49.6663 looks on a white background.

Color Contrast Check

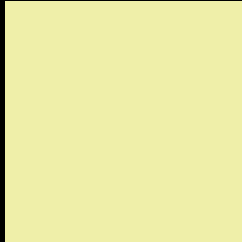
Large Text (above 18pt) WCAG AA × Fail

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 73.6245, 82.9483, 49.6663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

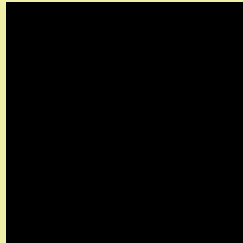
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.6245, 82.9483, 49.6663

Background



This preview shows how black text looks on a background with the XYZ color 73.6245, 82.9483, 49.6663.

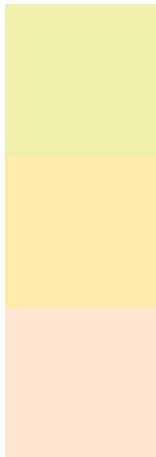


This preview shows how white text looks on a background with the XYZ color 73.6245, 82.9483,

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

73.6245, 82.9483, 49.6663

Protanopia

77.1914, 83.0893, 48.5286

Deuteranopia

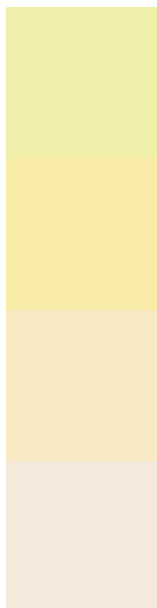
81.1697, 82.5068, 72.6201



Tritanopia

83.8747, 82.8938, 99.5751

Trichromacy



Original Color

73.6245, 82.9483, 49.6663

Protanomaly

75.7747, 82.7745, 49.0291

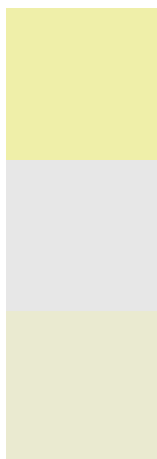
Deuteranomaly

78.0562, 82.3577, 63.4124

Tritanomaly

79.5813, 82.8048, 78.8064

Monochromacy



Original Color

73.6245, 82.9483, 49.6663

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.7397, 80.8921, 71.3490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6245, 82.9483, 49.6663 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(239, 239, 169)` looks like.

```
.text, #text, p{  
    color:rgb(239, 239, 169)  
}
```

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(239, 239, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 239, 169) }
```

Border

The CSS property to change the border of an element to XYZ 73.6245, 82.9483, 49.6663 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(239, 239, 169) }
```


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

```
.border{ border-color:rgb(239, 239, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 239, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 239, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 239, 169); box-shadow:4px 4px 4px 4px rgb(239, 239, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6245, 82.9483, 49.6663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 239, 169) }
```

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

```
.background{ background-color: rgb(239,  
239, 169) }
```

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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