

Converting Colors

XYZ(64.2348, 72.9794, 40.1396)

Have a look what the booklet for
XYZ(64.2348, 72.9794, 40.1396)
contains.

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Color

**XYZ(64.1463, 72.7958,
39.9483)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E297
RGB	226, 226, 151
RGB Percent	89%, 89%, 59%
CMY	0.1137, 0.1137, 0.4078
CMYK	0.00, 0.00, 0.33, 0.11
HSL	60°, 56%, 74%
HSV	60°, 33%, 89%
XYZ	64.1463, 72.7958, 39.9483
YIQ	217.4500, 24.0750, -23.3250

Conversions

Conversions Part 2

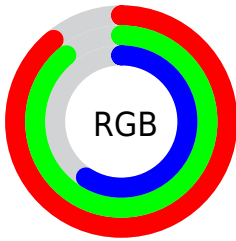
Format	Color
RYB	151, 226, 151
Decimal	14869143
CIELab	88.35, -11.21, 36.74
CIELCh	88, 38.408, 106.965
Yxy	72.7958, 0.3626, 0.4115
Android (android.graphics.Color)	4293059223 (0xFFE2E297)
YUV	217.4500, -32.7598, 7.4984
Hunter-Lab	85.3205, -15.1095, 31.9639

Details

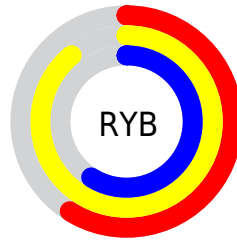
The XYZ color **64.1463, 72.7958, 39.9483** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5592, 34.2054, 76.5784**, and the grayscale version is **66.4701, 69.9317, 76.1557**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **33.3926, 38.5727, 17.4897** is the 20% darker color. If you saturate the color by 10%, you get **62.4843, 72.1335, 31.1909**, and if you desaturate by 10%, it is **66.1639, 73.6055, 50.5618**.

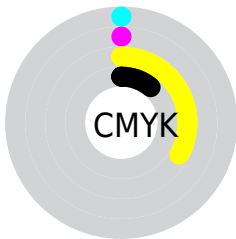
Distribution



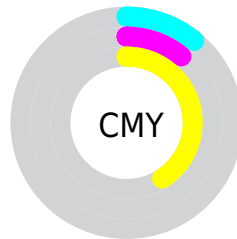
- Red (89%)
- Green (89%)
- Blue (59%)



- Red (59%)
- Yellow (89%)
- Blue (59%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1463, 72.7958, 39.9483 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 64.1463, 72.7958, 39.9483 by changing the saturation by 10% instead.

■ 64.1463, 72.7958,
39.9483

■ 64.1463, 72.7958,
39.9483

429.3116,
470.3068, 361.4512

■ 47.0313, 53.8090,
27.1848

■ 109.8942,
123.1873, 76.3210

■ 33.2685, 38.4490,
17.4784

■ 139.2577,
155.3608, 100.7673

■ 22.4924, 26.3313,
10.4106

173.4349,
192.6986, 129.9448

■ 14.3378, 17.0717,
5.5629

212.7910,
235.5852, 164.2722

■ 8.4392, 10.2856,
2.5167

257.6913,
284.4049, 204.1680

■ 4.4314, 5.5887,
0.8490

308.5013,

■ 1.9490, 2.5967,

339.5421, 250.0508

0.0000

365.5863,
401.3813, 302.3390

0.6051, 0.9250,
0.0000

0.0000, 0.0000,
0.0000

64.1463, 72.7958,
39.9483

64.1463, 72.7958,
39.9483

62.4843, 72.1335,
31.1909

66.1639, 73.6055,
50.5618

61.1521, 71.6006,
24.1788


68.5501, 74.5600,
63.1246

60.1295, 71.1915,
18.7964


71.3240, 75.6696,
77.7292


59.3915, 70.8962,
14.9127

74.5019, 76.9408,
94.4608


 58.9092, 70.7032,
12.3759


 76.6147, 77.7860,
105.5839


 58.6479, 70.5986,
11.0028

 76.6152, 77.7863,
105.5839

 58.5585, 70.5628,
10.5336

 76.6158, 77.7866,
105.5840

 76.6163, 77.7868,
105.5840

 76.6168, 77.7871,
105.5840

Harmonies

Analogous

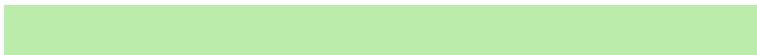
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2656, 72.7958, 39.3805



64.1463, 72.7958, 39.9483



57.0265, 72.7958, 49.4216

Triad

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



64.1463, 72.7958, 39.9483



57.7853, 72.7958, 122.4565



87.9345, 72.7958, 91.2719

Complementary

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



64.1463, 72.7958, 39.9483



37.5592, 34.2054, 76.5784

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.



82.9712, 72.7958, 119.1969



64.1463, 72.7958, 39.9483



65.2689, 72.7958, 139.7145

Square

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



64.1463, 72.7958, 39.9483



53.5838, 72.7958, 95.0154



74.4919, 72.7958, 138.4041



87.5659, 72.7958, 65.3543

Rectangle

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



64.1463, 72.7958, 39.9483



54.1271, 72.7958, 61.0121



74.4919, 72.7958, 138.4041



86.8169, 72.7958, 100.8309

Sweetspot

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



64.1481, 72.7991, 39.9498



91.2121, 98.4648, 88.6935



48.0189, 40.5381, 34.5729



19.4168, 21.0330, 18.4241



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.



64.1481, 72.7991, 39.9498



82.7469, 95.0785, 44.1277



53.6475, 67.3858, 39.4584



14.8717, 16.0295, 14.6170



33.4057, 40.2538, 6.0091



2.3155, 2.7902, 0.4165

Inverse Universe

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



37.5592, 34.2054, 76.5784



42.5796, 36.7755, 99.4619



45.6587, 38.3808, 76.9574



12.9522, 13.2434, 17.2613



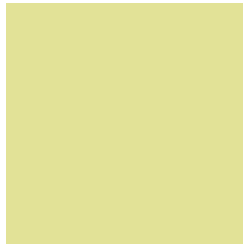
7.8317, 3.1327, 41.2403



0.5429, 0.2172, 2.8585

Previews

White Background



This preview shows how the XYZ color 64.1463, 72.7958, 39.9483 looks on a white background.

Color Contrast Check

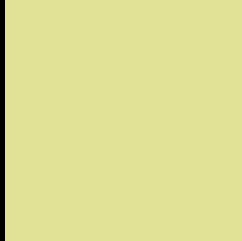
Large Text (above 18pt) WCAG AA × Fail

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 64.1463, 72.7958, 39.9483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

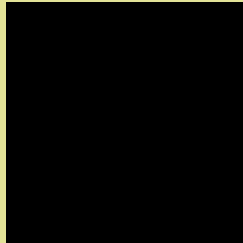
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

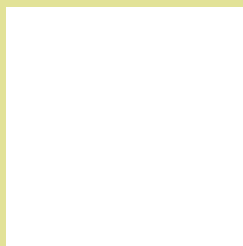
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1463, 72.7958, 39.9483

Background



This preview shows how black text looks on a background with the XYZ color 64.1463, 72.7958, 39.9483.



This preview shows how white text looks on a background with the XYZ color 64.1463, 72.7958,

39.9483.

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

64.1463, 72.7958, 39.9483

Protanopia

67.2164, 72.4081, 38.8672

Deuteranopia

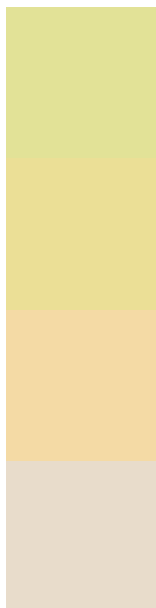
72.8294, 72.3703, 49.6655



Tritanopia

73.8559, 72.8278, 87.2553

Trichromacy



Original Color

64.1463, 72.7958, 39.9483

Protanomaly

66.1536, 72.6395, 39.3883

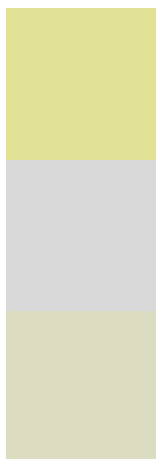
Deuteranomaly

69.1712, 72.0925, 45.8668

Tritanomaly

69.6514, 72.6540, 66.8525

Monochromacy



Original Color

64.1463, 72.7958, 39.9483

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.7340, 70.2523, 60.6003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1463, 72.7958, 39.9483 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(226, 226, 151)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 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(226, 226, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 151) }
```

Border

The CSS property to change the border of an element to XYZ 64.1463, 72.7958, 39.9483 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(226, 226, 151) }
```


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

```
.border{ border-color:rgb(226, 226, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 226, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 226, 151); box-shadow:4px 4px 4px 4px rgb(226, 226, 151) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1463, 72.7958, 39.9483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 151) }
```

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

```
.background{ background-color: rgb(226,  
226, 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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