

# Converting Colors

XYZ(64.2402, 70.3771, 43.8346)

Have a look what the booklet for  
XYZ(64.2402, 70.3771, 43.8346)  
contains.

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# **Color**

**XYZ(64.3393, 70.4176,  
43.9191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5DCA1
RGB	229, 220, 161
RGB Percent	90%, 86%, 63%
CMY	0.1020, 0.1372, 0.3686
CMYK	0.00, 0.04, 0.30, 0.10
HSL	52°, 57%, 76%
HSV	52°, 30%, 90%
XYZ	64.3393, 70.4176, 43.9191
YIQ	215.9650, 24.3030, -16.4410

# Conversions

## Conversions Part 2

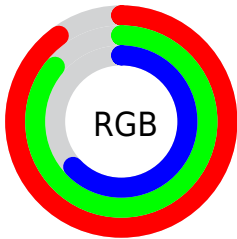
Format	Color
<a href="#">RYB</a>	<a href="#">171, 229, 161</a>
Decimal	<a href="#">15064225</a>
CIELab	<a href="#">87.20, -5.81, 30.16</a>
CIELCh	<a href="#">87, 30.716, 100.912</a>
Yxy	<a href="#">70.4176, 0.3601, 0.3941</a>
Android (android.graphics.Color)	<a href="#">4293254305</a> ( <a href="#">0xFFE5DCA1</a> )
YUV	<a href="#">215.9650, -27.0977, 11.4317</a>
Hunter-Lab	<a href="#">83.9152, -9.9924, 27.7097</a>

# Details

The XYZ color **64.3393, 70.4176, 43.9191** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.2153, 41.9825, 79.9546**, and the grayscale version is **65.4151, 68.8218, 74.9469**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **33.4490, 36.8986, 19.8272** is the 20% darker color. If you saturate the color by 10%, you get **61.7149, 68.1097, 33.9773**, and if you desaturate by 10%, it is **67.3516, 72.9086, 55.8165**.

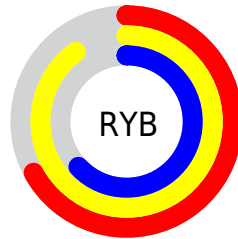
# Distribution



Red (90%)

Green (86%)

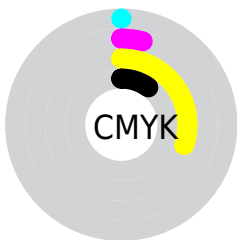
Blue (63%)



Red (67%)

Yellow (90%)

Blue (63%)

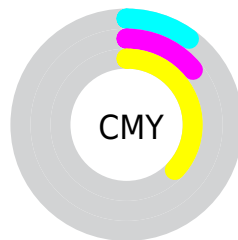


Cyan (0%)

Magenta (4%)

Yellow (30%)

Black (10%)



Cyan (10%)

Magenta (14%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3393, 70.4176, 43.9191 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 64.3393, 70.4176, 43.9191 by changing the saturation by 10% instead.



■ 64.3393, 70.4176,  
43.9191

■ 64.3393, 70.4176,  
43.9191

429.9967,  
462.0149, 378.4097

■ 47.1882, 51.8671,  
30.2702

■ 110.1704,  
119.8041, 82.3972

■ 33.3931, 36.8991,  
19.7900

■ 139.5813,  
151.4088, 108.0634

■ 22.5884, 25.1294,  
12.0599

173.8093,  
188.1337, 138.5725

■ 14.4089, 16.1735,  
6.6615

213.2201,  
230.3632, 174.3430

■ 8.4892, 9.6470,  
3.1761

258.1789,  
278.4817, 215.7934

■ 4.4640, 5.1655,  
1.1852

309.0510,

■ 1.9678, 2.3447,

332.8735, 263.3423

0.0000

366.2018,  
393.9232, 317.4083

■ 0.6158, 0.7972,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.3393, 70.4176,  
43.9191

■ 64.3393, 70.4176,  
43.9191

■ 61.7149, 68.1097,  
33.9773

■ 67.3516, 72.9086,  
55.8165

■ 59.4526, 65.9672,  
25.8801


■ 70.7652, 75.5809,  
69.7635


■ 57.5322, 63.9841,  
19.5125


■ 74.5993, 78.4446,  
85.8533


■ 55.9288, 62.1506,  
14.7444


■ 78.8704, 81.5066,  
104.1719


 54.6142, 60.4552,  
11.4275


 80.1148, 83.3813,  
106.4794


 53.5549, 58.8843,  
9.3858


 80.9902, 85.1321,  
106.7712

 52.6950, 57.4155,  
8.3251

 81.8805, 86.9126,  
107.0680

 52.6698, 57.3713,  
8.2978

 82.7856, 88.7230,  
107.3697

 83.7058, 90.5633,  
107.6764

# Harmonies

## Analogous

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



71.5669, 70.4176, 44.9374



64.3393, 70.4176, 43.9191



58.2543, 70.4176, 50.4100

# Triad

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



64.3393, 70.4176, 43.9191



56.9894, 70.4176, 105.7278



80.9057, 70.4176, 90.4043

# Complementary

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



64.3393, 70.4176, 43.9191



43.2153, 41.9825, 79.9546

# 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.



76.4266, 70.4176, 110.7647



64.3393, 70.4176, 43.9191



62.4975, 70.4176, 120.6511

# Square

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



64.3393, 70.4176, 43.9191



54.2181, 70.4176, 84.4380



69.5890, 70.4176, 122.6441



81.4876, 70.4176, 69.3989



# Rectangle

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



64.3393, 70.4176, 43.9191



55.5303, 70.4176, 58.9440



69.5890, 70.4176, 122.6441



79.7916, 70.4176, 97.6415

# Sweetspot

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



64.3411, 70.4208, 43.9206



90.6118, 96.6874, 90.2680



52.3206, 45.0534, 44.0027



19.2500, 20.5845, 18.7220



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

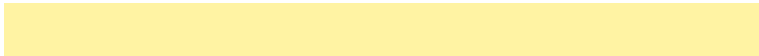


# Same Dimension

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



64.3411, 70.4208, 43.9206



79.8767, 87.9273, 47.5061



59.3729, 71.4589, 44.3828



15.4305, 16.4748, 15.2711



30.1779, 32.9300, 4.7656



2.2754, 2.5242, 0.3673



# Inverse Universe

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



43.2153, 41.9825, 79.9546



48.5920, 45.8212, 100.8910



47.1219, 41.5785, 79.6708



13.7358, 14.1929, 18.1599



8.4049, 3.8718, 42.6875

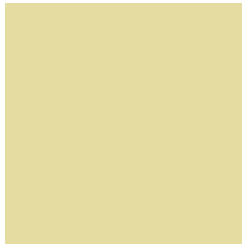


0.6708, 0.3855, 3.1710



# Previews

## White Background



This preview shows how the XYZ color 64.3393, 70.4176, 43.9191 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

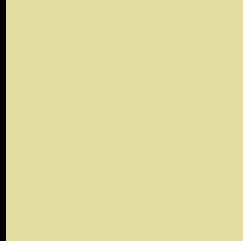
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.3393, 70.4176, 43.9191 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

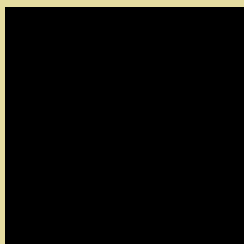
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

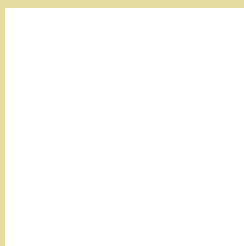
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.3393, 70.4176, 43.9191

## Background



This preview shows how black text looks on a background with the XYZ color 64.3393, 70.4176, 43.9191.



This preview shows how white text looks on a background with the XYZ color 64.3393, 70.4176,



# 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

64.3393, 70.4176, 43.9191

### Protanopia

65.6775, 70.3430, 43.3737

### Deuteranopia

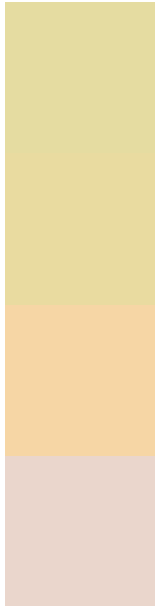
71.3545, 70.1803, 46.8312



## **Tritanopia**

72.2229, 70.1945, 83.1411

# Trichromacy



## Original Color

64.3393, 70.4176, 43.9191

## Protanomaly

65.2810, 70.5247, 43.4297

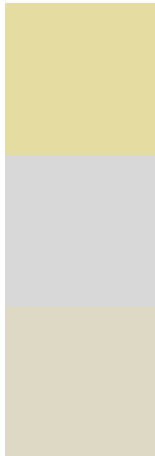
## Deuteranomaly

68.8441, 70.4026, 45.5579

## Tritanomaly

68.8773, 69.9452, 66.9973

# Monochromacy



## Original Color

64.3393, 70.4176, 43.9191

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.5955, 68.9834, 62.1351

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3393, 70.4176, 43.9191 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(229, 220, 161)` looks like.

```
.text, #text, p{  
    color:rgb(229, 220, 161)  
}
```

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(229, 220, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 220, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3393, 70.4176, 43.9191 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(229, 220, 161) }
```



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

```
.border{ border-color:rgb(229, 220, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 220, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 220, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 220, 161);  
box-shadow:4px 4px 4px 4px rgb(229, 220,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3393, 70.4176, 43.9191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 220, 161) }
```

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

```
.background{ background-color: rgb(229,  
220, 161) }
```

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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