

# Converting Colors

XYZ(64.2198, 70.3034, 40.3225)

Have a look what the booklet for  
XYZ(64.2198, 70.3034, 40.3225)  
contains.

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# Color

**XYZ(64.2980, 70.4752,  
40.3512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7DC99
RGB	231, 220, 153
RGB Percent	91%, 86%, 60%
CMY	0.0941, 0.1372, 0.4000
CMYK	0.00, 0.05, 0.34, 0.09
HSL	52°, 62%, 75%
HSV	52°, 34%, 91%
XYZ	64.2980, 70.4752, 40.3512
YIQ	215.6510, 28.0630, -18.5050

# Conversions

## Conversions Part 2

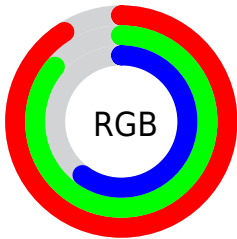
Format	Color
<b>RYB</b>	166, 231, 153
Decimal	15195289
CIELab	87.23, -6.03, 34.32
CIELCh	87, 34.850, 99.964
Yxy	70.4752, 0.3672, 0.4024
Android (android.graphics.Color)	4293385369 (0xFFE7DC99)
YUV	215.6510, -30.8869, 13.4611
Hunter-Lab	83.9495, -10.1962, 30.2663

# Details

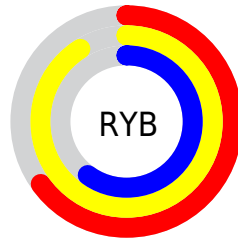
The XYZ color **64.2980, 70.4752, 40.3512** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.8360, 39.0918, 80.9947**, and the grayscale version is **65.2243, 68.6211, 74.7284**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **33.2597, 36.8485, 17.6714** is the 20% darker color. If you saturate the color by 10%, you get **61.7262, 68.0948, 30.9750**, and if you desaturate by 10%, it is **67.2594, 73.0431, 51.6811**.

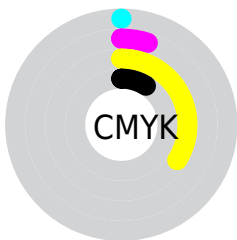
# Distribution



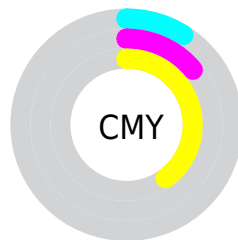
- Red (91%)
- Green (86%)
- Blue (60%)



- Red (65%)
- Yellow (91%)
- Blue (60%)



- Cyan (0%)
- Magenta (5%)
- Yellow (34%)
- Black (9%)



- Cyan (9%)
- Magenta (14%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2980, 70.4752, 40.3512 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 64.2980, 70.4752, 40.3512 by changing the saturation by 10% instead.



■ 64.2980, 70.4752,  
40.3512

■ 64.2980, 70.4752,  
40.3512

429.8502,  
462.2168, 363.1976

■ 47.1547, 51.9140,  
27.4966

■ 110.1113,  
119.8862, 76.9409

■ 33.3664, 36.9366,  
17.7108

■ 139.5120,  
151.5048, 101.5132

■ 22.5679, 25.1584,  
10.5753

173.7292,  
188.2446, 130.8284

■ 14.3937, 16.1951,  
5.6715

213.1283,  
230.4902, 165.3051

■ 8.4785, 9.6623,  
2.5808

258.0746,  
278.6257, 205.3618

■ 4.4570, 5.1756,  
0.8825

308.9334,

■ 1.9638, 2.3507,

333.0358, 251.4171

0.0000

366.0701,  
394.1046, 303.8895

■ 0.6135, 0.8003,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.2980, 70.4752,  
40.3512

■ 64.2980, 70.4752,  
40.3512

■ 61.7262, 68.0948,  
30.9750

■ 67.2594, 73.0431,  
51.6811

■ 59.5171, 65.8835,  
23.4353

■ 70.6249, 75.7968,  
65.0639

■ 57.6489, 63.8349,  
17.6094

■ 74.4145, 78.7472,  
80.5975

■ 56.0950, 61.9382,  
13.3576

■ 78.6455, 81.9012,  
98.3720

■ 54.8245, 60.1809,  
10.5184

■ 81.0831, 84.3650,  
106.6183

■ 53.8002, 58.5479,  
8.8952

■ 82.0307, 86.2602,  
106.9341

■ 53.2496, 57.5781,  
8.3071

■ 82.9955, 88.1898,  
107.2557

■ 83.9776, 90.1539,  
107.5831

■ 84.9770, 92.1528,  
107.9162

# Harmonies

## Analogous

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



72.5230, 70.4752, 41.7004



64.2980, 70.4752, 40.3512



57.3753, 70.4752, 47.1128

# Triad

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



64.2980, 70.4752, 40.3512



55.6310, 70.4752, 109.4817



82.8858, 70.4752, 93.2381

# Complementary

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



64.2980, 70.4752, 40.3512



40.8360, 39.0918, 80.9947

# 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.



77.6110, 70.4752, 116.7278



64.2980, 70.4752, 40.3512



61.7356, 70.4752, 127.3507

# Square

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



64.2980, 70.4752, 40.3512



52.6479, 70.4752, 84.8021



69.7449, 70.4752, 130.2434



83.7128, 70.4752, 69.1974



# Rectangle

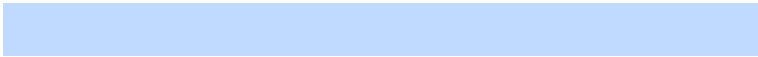
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2980, 70.4752, 40.3512



54.2621, 70.4752, 56.3122



69.7449, 70.4752, 130.2434



81.5548, 70.4752, 101.5815

# Sweetspot

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



64.2998, 70.4784, 40.3527



90.0768, 96.1931, 88.3149



51.1111, 42.4779, 40.9604



19.1400, 20.4791, 18.3318



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.



64.2998, 70.4784, 40.3527



78.0189, 85.9516, 41.5228



59.1459, 72.2471, 40.9657



15.4193, 16.4526, 15.2674



29.9218, 32.4178, 4.6802



2.2589, 2.4911, 0.3618



# Inverse Universe

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



40.8360, 39.0918, 80.9947



44.1996, 40.7247, 100.1388



44.7081, 38.2922, 80.6363



13.7459, 14.2132, 18.1633



8.4373, 3.9366, 42.6983

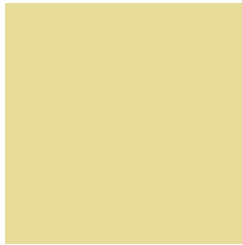


0.6756, 0.3951, 3.1726



# Previews

## White Background



This preview shows how the XYZ color 64.2980, 70.4752, 40.3512 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 64.2980, 70.4752, 40.3512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

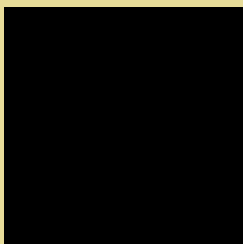
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

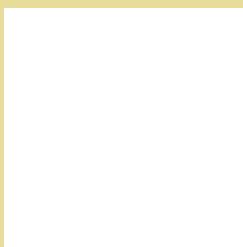
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.2980, 70.4752, 40.3512**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2980, 70.4752, 40.3512.



This preview shows how white text looks on a background with the XYZ color 64.2980, 70.4752,



# 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

64.2980, 70.4752, 40.3512

### Protanopia

65.3310, 70.2427, 39.8206

### Deuteranopia

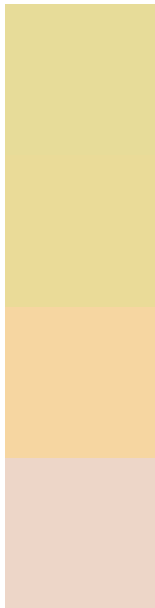
71.0781, 70.0698, 45.3759



## Tritanopia

73.0946, 70.6598, 82.4593

# Trichromacy



## Original Color

64.2980, 70.4752, 40.3512

## Protanomaly

64.9307, 70.4225, 39.8764

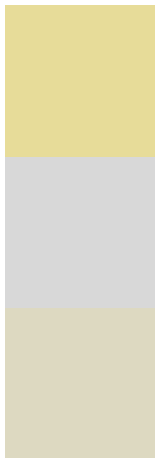
## Deuteranomaly

68.4856, 70.2592, 43.6700

## Tritanomaly

69.3969, 70.2678, 64.5490

# Monochromacy



## Original Color

64.2980, 70.4752, 40.3512

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.2573, 68.8481, 60.3544

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2980, 70.4752, 40.3512 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(231, 220, 153)` looks like.

```
.text, #text, p{  
    color:rgb(231, 220, 153)  
}
```

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(231, 220, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 220, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2980, 70.4752, 40.3512 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(231, 220, 153) }
```



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

```
.border{ border-color:rgb(231, 220, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 220, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 220, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 220, 153);  
box-shadow:4px 4px 4px 4px rgb(231, 220,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2980, 70.4752, 40.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 220, 153) }
```

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

```
.background{ background-color: rgb(231,  
220, 153) }
```

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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