

# Converting Colors

XYZ(63.2996, 72.6149, 35.6452)

Have a look what the booklet for  
XYZ(63.2996, 72.6149, 35.6452)  
contains.

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# **Color**

**XYZ(63.2940, 72.4549,  
35.4602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E28C
RGB	226, 226, 140
RGB Percent	89%, 89%, 55%
CMY	0.1137, 0.1137, 0.4510
CMYK	0.00, 0.00, 0.38, 0.11
HSL	60°, 60%, 72%
HSV	60°, 38%, 89%
XYZ	63.2940, 72.4549, 35.4602
YIQ	216.1960, 27.6060, -26.7460

# Conversions

## Conversions Part 2

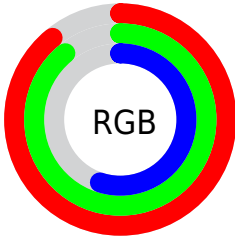
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 226, 140
Decimal	14869132
CIELab	88.19, -12.45, 42.03
CIELCh	88, 43.838, 106.505
Yxy	72.4549, 0.3697, 0.4232
Android (android.graphics.Color)	4293059212 (0xFFE2E28C)
YUV	216.1960, -37.5646, 8.5981
Hunter-Lab	85.1204, -16.2315, 34.8848

# Details

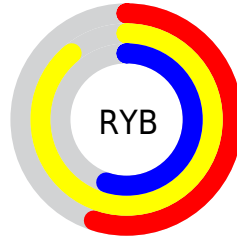
The XYZ color **63.2940, 72.4549, 35.4602** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **33.9234, 29.8244, 75.9245**, and the grayscale version is **65.6403, 69.0588, 75.2050**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **32.6865, 38.2654, 14.8957** is the 20% darker color. If you saturate the color by 10%, you get **61.7961, 71.8582, 27.5668**, and if you desaturate by 10%, it is **65.1378, 73.1951, 45.1591**.

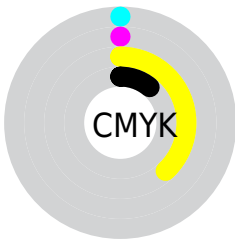
# Distribution



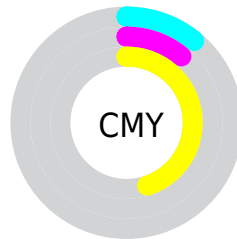
- Red (89%)
- Green (89%)
- Blue (55%)



- Red (55%)
- Yellow (89%)
- Blue (55%)



- Cyan (0%)
- Magenta (0%)
- Yellow (38%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2940, 72.4549, 35.4602 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 63.2940, 72.4549, 35.4602 by changing the saturation by 10% instead.



63.2940, 72.4549,  
35.4602

63.2940, 72.4549,  
35.4602

426.2784,  
469.1234, 341.5608

46.3386, 53.5304,  
23.7312

108.6730,  
122.7031, 69.3577

32.7189, 38.2263,  
14.9240

137.8273,  
154.7955, 92.3633

22.0694, 26.1584,  
8.6200

171.7787,  
192.0460, 119.9649

14.0248, 16.9422,  
4.4008

210.8924,  
234.8389, 152.5809

8.2197, 10.1933,  
1.8477

255.5339,  
283.5587, 190.6300

4.2888, 5.5273,  
0.4591

306.0685,

1.8668, 2.5598,

338.5898, 234.5306

0.0000

362.8616,  
400.3166, 284.7014

■ 0.5574, 0.9065,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.2940, 72.4549,  
35.4602

■ 63.2940, 72.4549,  
35.4602

■ 61.7961, 71.8582,  
27.5668

■ 65.1378, 73.1951,  
45.1591

■ 60.6175, 71.3868,  
21.3633


■ 67.3414, 74.0766,  
56.7607


■ 59.7368, 71.0344,  
16.7278


■ 69.9245, 75.1099,  
70.3606


■ 59.1271, 70.7905,  
13.5202

■ 72.9038, 76.3016,  
86.0466


 58.7573, 70.6425,  
11.5754


 76.2949, 77.6581,  
103.9014


 58.5831, 70.5728,  
10.6606

 76.6149, 77.7862,  
105.5839

 58.5589, 70.5631,  
10.5337

 76.6154, 77.7864,  
105.5840

 76.6159, 77.7867,  
105.5840

 76.6164, 77.7869,  
105.5840

# Harmonies

## Analogous

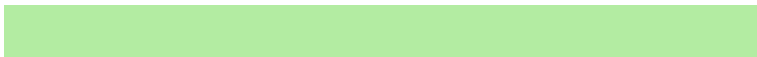
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6804, 72.4549, 35.0013



63.2940, 72.4549, 35.4602



55.2476, 72.4549, 45.4407

# Triad

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



63.2940, 72.4549, 35.4602



55.8970, 72.4549, 128.6463



90.3971, 72.4549, 93.1512

# Complementary

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



63.2940, 72.4549, 35.4602



33.9234, 29.8244, 75.9245

# 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.



84.5569, 72.4549, 125.6963



63.2940, 72.4549, 35.4602



64.2665, 72.4549, 149.4362

# Square

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



63.2940, 72.4549, 35.4602



51.2832, 72.4549, 96.4643



74.7562, 72.4549, 148.2370



90.0687, 72.4549, 63.5932



# Rectangle

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



63.2940, 72.4549, 35.4602



51.9772, 72.4549, 58.0327



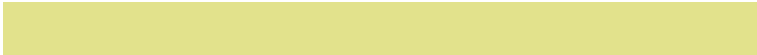
74.7562, 72.4549, 148.2370



89.0668, 72.4549, 104.2298

# Sweetspot

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



63.2958, 72.4582, 35.4617



90.8575, 98.3229, 86.8264



45.4782, 36.8201, 29.5220



19.3461, 21.0047, 18.0519



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.



63.2958, 72.4582, 35.4617



81.5628, 94.6048, 37.8928



51.4612, 66.3572, 34.9079



14.8717, 16.0295, 14.6170



33.4060, 40.2539, 6.0091



2.3155, 2.7902, 0.4165



# Inverse Universe

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



33.9234, 29.8244, 75.9245



37.5285, 30.6894, 98.5534



42.6362, 34.3160, 76.3322



12.9522, 13.2434, 17.2613



7.8317, 3.1327, 41.2403

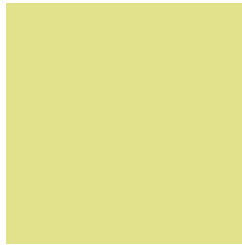


0.5429, 0.2172, 2.8585



# Previews

## White Background



This preview shows how the XYZ color 63.2940, 72.4549, 35.4602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

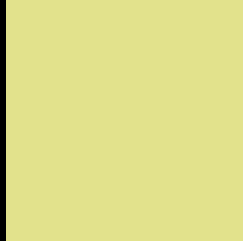
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2940, 72.4549, 35.4602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

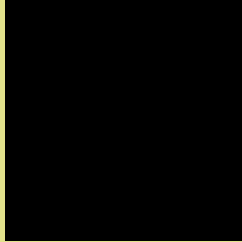
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.2940, 72.4549, 35.4602

## Background



This preview shows how black text looks on a background with the XYZ color 63.2940, 72.4549, 35.4602.



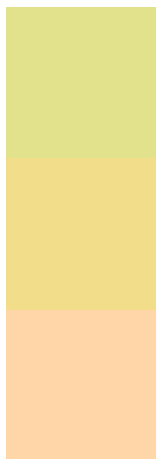
This preview shows how white text looks on a background with the XYZ color 63.2940, 72.4549,

35.4602.

# 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

63.2940, 72.4549, 35.4602

### Protanopia

66.7195, 72.2487, 34.4736

### Deuteranopia

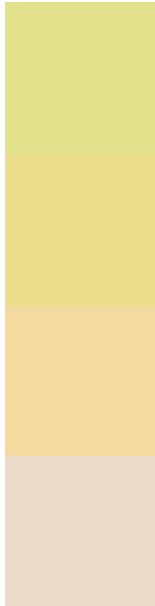
72.3545, 72.1803, 47.1645



## Tritanopia

73.7910, 72.4316, 86.4354

# Trichromacy



## Original Color

63.2940, 72.4549, 35.4602

## Protanomaly

65.6399, 72.4723, 34.9551

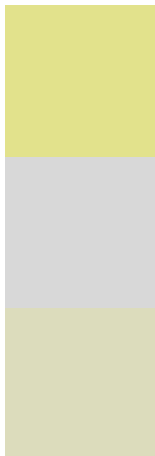
## Deuteranomaly

68.5512, 71.8445, 42.6021

## Tritanomaly

69.2446, 72.1102, 64.3019

# Monochromacy



## Original Color

63.2940, 72.4549, 35.4602

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.1855, 70.0329, 57.7117

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2940, 72.4549, 35.4602 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2940, 72.4549, 35.4602 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, 140) }
```



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

```
.border{ border-color:rgb(226, 226, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 140);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2940, 72.4549, 35.4602 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, 140) }
```

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

```
.background{ background-color: rgb(226,  
226, 140) }
```

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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