

# Converting Colors

XYZ(65.3489, 74.2977, 38.6891)

Have a look what the booklet for  
XYZ(65.3489, 74.2977, 38.6891)  
contains.

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# Color

**XYZ(65.3230, 74.2514,  
38.4928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E493
RGB	229, 228, 147
RGB Percent	90%, 89%, 58%
CMY	0.1020, 0.1059, 0.4235
CMYK	0.00, 0.00, 0.36, 0.10
HSL	59°, 61%, 74%
HSV	59°, 36%, 90%
XYZ	65.3230, 74.2514, 38.4928
YIQ	219.0650, 26.5970, -24.9790

# Conversions

## Conversions Part 2

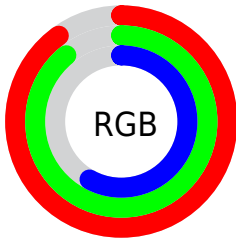
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	148, 229, 147
Decimal	15066259
CIE Lab	89.04, -11.52, 39.69
CIE LCh	89, 41.326, 106.185
Yxy	74.2514, 0.3668, 0.4170
Android (android.graphics.Color)	4293256339 (0xFFE5E493)
YUV	219.0650, -35.5280, 8.7130
Hunter-Lab	86.1693, -15.4793, 33.8329

# Details

The XYZ color **65.3230, 74.2514, 38.4928** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.7653, 33.0392, 78.5684**, and the grayscale version is **67.6045, 71.1252, 77.4554**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **34.0224, 39.4840, 16.6545** is the 20% darker color. If you saturate the color by 10%, you get **63.6264, 73.4533, 29.9272**, and if you desaturate by 10%, it is **67.3811, 75.1996, 48.9454**.

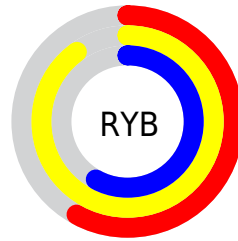
# Distribution



Red (90%)

Green (89%)

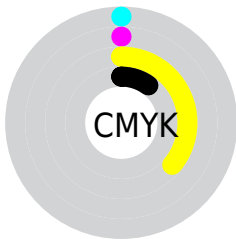
Blue (58%)



Red (58%)

Yellow (90%)

Blue (58%)

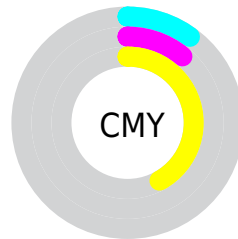


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (10%)



Cyan (10%)

Magenta (11%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3230, 74.2514, 38.4928 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 65.3230, 74.2514, 38.4928 by changing the saturation by 10% instead.



65.3230, 74.2514,  
38.4928

65.3230, 74.2514,  
38.4928

433.4787,  
475.3406, 355.0906

47.9887, 54.9998,  
26.0606

111.5772,  
125.2521, 74.0746

34.0292, 39.4016,  
16.6428

141.2279,  
157.7701, 98.0613

23.0790, 27.0723,  
9.8209

175.7147,  
195.4789, 126.7366

14.7729, 17.6275,  
5.1763

215.4030,  
238.7631, 160.5190

8.7454, 10.6829,  
2.2905

260.6582,  
288.0069, 199.8271

4.6313, 5.8540,  
0.7259

311.8457,

2.0651, 2.7565,

343.5948, 245.0793

0.0000

369.3307,  
405.9113, 296.6943

0.6701, 1.0060,  
0.0000

0.0000, 0.0000,  
0.0000

65.3230, 74.2514,  
38.4928

65.3230, 74.2514,  
38.4928

63.6264, 73.4533,  
29.9272

67.3811, 75.1996,  
48.9454

62.2645, 72.7866,  
23.1315


69.8148, 76.2956,  
61.3835

61.2156, 72.2452,  
17.9830


72.6442, 77.5501,  
75.9041


60.4529, 71.8186,  
14.3414


75.8861, 78.9698,  
92.5968


 59.9453, 71.4942,  
12.0429

 78.4917, 80.1352,  
105.9384


 59.6546, 71.2568,  
10.8855

 78.5688, 80.2893,  
105.9641

 59.5703, 71.1723,  
10.5979

 78.6460, 80.4437,  
105.9898

 78.7233, 80.5983,  
106.0156

 78.8008, 80.7532,  
106.0414

# Harmonies

## Analogous

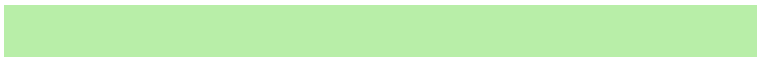
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2895, 74.2514, 38.1327



65.3230, 74.2514, 38.4928



57.5276, 74.2514, 48.2648

# Triad

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



65.3230, 74.2514, 38.4928



58.0222, 74.2514, 127.7193



91.0519, 74.2514, 94.7959

# Complementary

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



65.3230, 74.2514, 38.4928



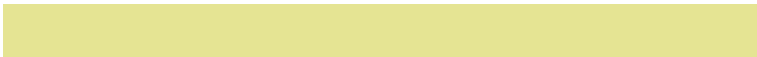
36.7653, 33.0392, 78.5684

# 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.



85.4567, 74.2514, 125.5361



65.3230, 74.2514, 38.4928



66.0591, 74.2514, 147.3793

# Square

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



65.3230, 74.2514, 38.4928



53.5941, 74.2514, 97.2760



76.0985, 74.2514, 146.4969



90.8070, 74.2514, 66.3807



# Rectangle

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



65.3230, 74.2514, 38.4928



54.3295, 74.2514, 60.4957



76.0985, 74.2514, 146.4969



89.7705, 74.2514, 105.3167

# Sweetspot

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



65.3248, 74.2548, 38.4944



90.7498, 98.1065, 86.7903



48.1218, 39.6760, 33.2923



19.3202, 20.9527, 18.0433



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.



65.3248, 74.2548, 38.4944



81.7152, 93.9897, 40.7648



54.3637, 69.0113, 38.0600



15.5859, 16.7856, 15.3229



34.0662, 40.7066, 6.0617



2.5222, 3.0178, 0.4496



# Inverse Universe

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



36.7653, 33.0392, 78.5684



40.1728, 34.0395, 99.0607



44.9812, 37.0441, 78.9084



13.5968, 13.9150, 18.1136



8.1097, 3.2815, 42.5891

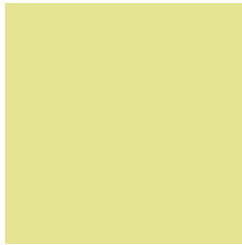


0.6043, 0.2524, 3.1488



# Previews

## White Background



This preview shows how the XYZ color 65.3230, 74.2514, 38.4928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

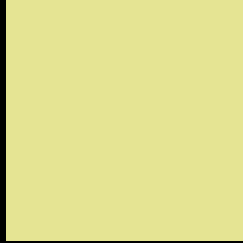
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3230, 74.2514, 38.4928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

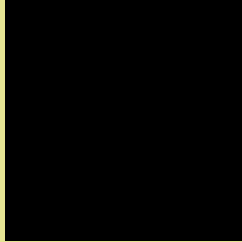
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

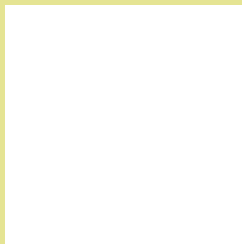
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.3230, 74.2514, 38.4928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.3230, 74.2514, 38.4928.



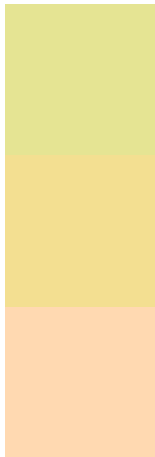
This preview shows how white text looks on a background with the XYZ color 65.3230, 74.2514,



# 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

65.3230, 74.2514, 38.4928

### Protanopia

68.4607, 73.8744, 37.4390

### Deuteranopia

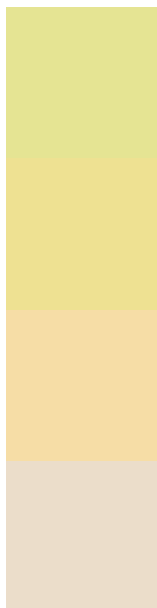
73.9887, 74.0600, 51.9904



## Tritanopia

75.2607, 73.9169, 88.1426

# Trichromacy



## Original Color

65.3230, 74.2514, 38.4928

## Protanomaly

67.3734, 74.1029, 37.9465

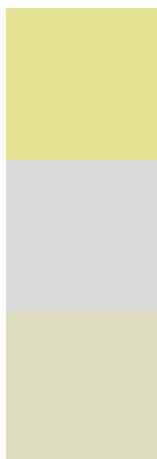
## Deuteranomaly

70.7454, 74.0589, 46.6425

## Tritanomaly

70.7781, 73.6393, 66.3605

# Monochromacy



## Original Color

65.3230, 74.2514, 38.4928

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.1783, 71.7808, 60.8192

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3230, 74.2514, 38.4928 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, 228, 147)` looks like.

```
.text, #text, p{  
    color:rgb(229, 228, 147)  
}
```

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, 228, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 228, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3230, 74.2514, 38.4928 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, 228, 147) }
```



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

```
.border{ border-color:rgb(229, 228, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 228, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 228, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 228, 147);  
box-shadow:4px 4px 4px 4px rgb(229, 228,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3230, 74.2514, 38.4928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 228, 147) }
```

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

```
.background{ background-color: rgb(229,  
228, 147) }
```

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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