

# Converting Colors

XYZ(64.8823, 69.4218, 32.9033)

Have a look what the booklet for  
XYZ(64.8823, 69.4218, 32.9033)  
contains.

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# Color

**XYZ(64.8642, 69.3863,  
32.8958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0D887
RGB	240, 216, 135
RGB Percent	94%, 85%, 53%
CMY	0.0588, 0.1529, 0.4706
CMYK	0.00, 0.10, 0.44, 0.06
HSL	46°, 78%, 74%
HSV	46°, 44%, 94%
XYZ	64.8642, 69.3863, 32.8958
YIQ	213.9420, 40.3050, -20.1030

# Conversions

## Conversions Part 2

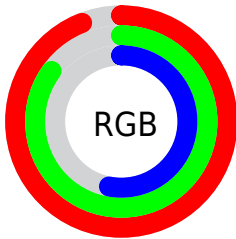
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	166, 240, 135
Decimal	15784071
CIE Lab	86.69, -2.44, 42.86
CIE LCh	87, 42.929, 93.261
Yxy	69.3863, 0.3881, 0.4151
Android (android.graphics.Color)	4293974151 (0xFFFF0D887)
YUV	213.9420, -38.9184, 22.8529
Hunter-Lab	83.2984, -6.7750, 34.8944

# Details

The XYZ color **64.8642, 69.3863, 32.8958** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **38.1175, 36.2371, 87.4233**, and the grayscale version is **64.1136, 67.4525, 73.4558**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **33.5976, 36.0594, 13.3730** is the 20% darker color. If you saturate the color by 10%, you get **61.9801, 66.0243, 24.5169**, and if you desaturate by 10%, it is **68.1795, 73.0009, 43.2990**.

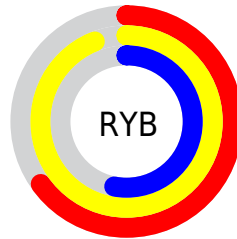
# Distribution



Red (94%)

Green (85%)

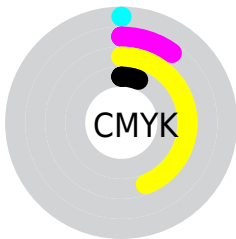
Blue (53%)



Red (65%)

Yellow (94%)

Blue (53%)

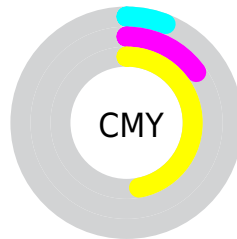


Cyan (0%)

Magenta (10%)

Yellow (44%)

Black (6%)



Cyan (6%)

Magenta (15%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8642, 69.3863, 32.8958 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 64.8642, 69.3863, 32.8958 by changing the saturation by 10% instead.



64.8642, 69.3863,  
32.8958

64.8642, 69.3863,  
32.8958

431.8567,  
458.3922, 329.7975

47.6153, 51.0264,  
21.7762

110.9214,  
118.3332, 65.3269

33.7323, 36.2296,  
13.4958

140.4604,  
149.6889, 87.4755

22.8499, 24.6116,  
7.6361

174.8267,  
186.1453, 114.1376

14.6028, 15.7879,  
3.7786

214.3858,  
228.0869, 145.7315

8.6256, 9.3742,  
1.5047

259.5030,  
275.8980, 182.6759

4.5529, 4.9860,  
0.2214

310.5437,

2.0195, 2.2391,

329.9630, 225.3894

0.0000

367.8731,  
390.6663, 274.2904

■ 0.6449, 0.7412,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.8642, 69.3863,  
32.8958

■ 64.8642, 69.3863,  
32.8958

■ 61.9801, 66.0243,  
24.5169

■ 68.1795, 73.0009,  
43.2990

■ 59.4958, 62.8941,  
18.0213

■ 71.9448, 76.8687,  
55.8462

■ 57.3833, 59.9861,  
13.2570

■ 76.1839, 81.0025,  
70.6526

■ 55.6085, 57.2860,  
10.0461

■ 80.9173, 85.4111,  
87.8241

■ 54.1297, 54.7765,  
8.1720

■ 86.1639, 90.1028,  
107.4580

■ 53.3168, 53.2886,  
7.4756

■ 87.8336, 93.4424,  
108.0146

■ 89.5529, 96.8808,  
108.5877

■ 89.7451, 97.2652,  
108.6517

# Harmonies

## Analogous

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



74.9648, 69.3863, 36.3337



64.8642, 69.3863, 32.8958



55.9760, 69.3863, 38.2864

# Triad

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



64.8642, 69.3863, 32.8958



51.1713, 69.3863, 109.8733



84.6122, 69.3863, 103.0694

# Complementary

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



64.8642, 69.3863, 32.8958



38.1175, 36.2371, 87.4233

# 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.



77.0426, 69.3863, 131.4444



64.8642, 69.3863, 32.8958



57.6878, 69.3863, 136.0180

# Square

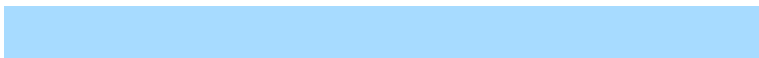
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.8642, 69.3863, 32.8958



48.5881, 69.3863, 78.7189



67.0470, 69.3863, 144.7639



87.0207, 69.3863, 72.4671



# Rectangle

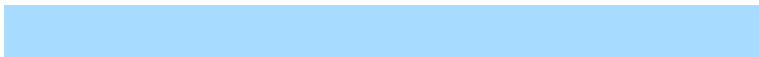
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8642, 69.3863, 32.8958



51.7374, 69.3863, 47.2160



67.0470, 69.3863, 144.7639



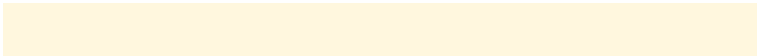
82.5518, 69.3863, 113.4180

# Sweetspot

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



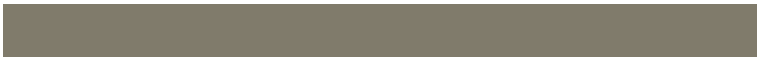
64.8659, 69.3895, 32.8972



87.7955, 93.3075, 82.3847



50.9010, 38.3744, 37.7538



18.5491, 19.7400, 16.7701



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.



64.8659, 69.3895, 32.8972



71.6216, 76.3629, 29.5072



62.6848, 78.0664, 34.6870



16.7988, 17.8107, 16.7021



29.2917, 29.3815, 4.1274



2.5106, 2.5918, 0.3680



# Inverse Universe

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



38.1175, 36.2371, 87.4233



37.4751, 34.0715, 99.2090



39.4970, 31.4065, 86.4182



15.1903, 15.8147, 19.9735



9.4362, 5.0967, 45.6143



0.8579, 0.5698, 3.8190



# Previews

## White Background



This preview shows how the XYZ color 64.8642, 69.3863, 32.8958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

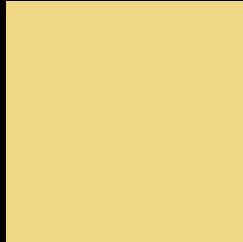
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8642, 69.3863, 32.8958 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 64.8642, 69.3863, 32.8958**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8642, 69.3863, 32.8958.



This preview shows how white text looks on a background with the XYZ color 64.8642, 69.3863,



# 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

64.8642, 69.3863, 32.8958

### Protanopia

64.1111, 69.3795, 32.9342

### Deuteranopia

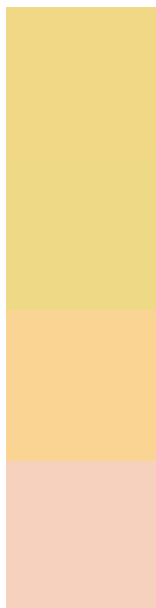
69.8732, 69.1940, 40.2449



## Tritanopia

73.9494, 69.0228, 77.8318

# Trichromacy



## Original Color

64.8642, 69.3863, 32.8958

## Protanomaly

64.4459, 69.5521, 32.9499

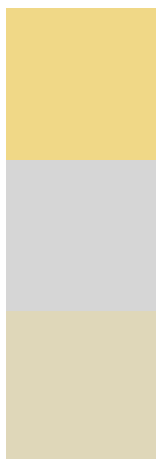
## Deuteranomaly

68.2343, 69.5175, 37.4257

## Tritanomaly

70.1008, 68.9115, 58.3217

# Monochromacy



## Original Color

64.8642, 69.3863, 32.8958

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.4888, 67.7916, 55.6378

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8642, 69.3863, 32.8958 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(240, 216, 135)` looks like.

```
.text, #text, p{  
    color:rgb(240, 216, 135)  
}
```

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(240, 216, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 216, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8642, 69.3863, 32.8958 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(240, 216, 135) }
```



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

```
.border{ border-color:rgb(240, 216, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 216, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 216, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 216, 135);  
box-shadow:4px 4px 4px 4px rgb(240, 216,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8642, 69.3863, 32.8958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 216, 135) }
```

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

```
.background{ background-color: rgb(240,  
216, 135) }
```

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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