

Converting Colors

XYZ(64.3403, 69.3945, 37.6071)

Have a look what the booklet for XYZ(64.3403, 69.3945, 37.6071) contains.

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Color

**XYZ(64.3403, 69.3945,
37.6071)**

Conversions

Conversions Part 1

Format	Color
Hex	EBD993
RGB	235, 217, 147
RGB Percent	92%, 85%, 58%
CMY	0.0784, 0.1490, 0.4235
CMYK	0.00, 0.08, 0.37, 0.08
HSL	48°, 69%, 75%
HSV	48°, 37%, 92%
XYZ	64.3403, 69.3945, 37.6071
YIQ	214.4020, 33.1980, -17.9540

Conversions

Conversions Part 2

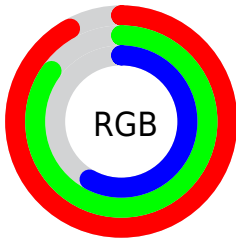
Format	Color
R _Y B	170, 235, 147
Decimal	15456659
CIE Lab	86.70, -3.65, 36.74
CIE LCh	87, 36.923, 95.669
Yxy	69.3945, 0.3755, 0.4050
Android (android.graphics.Color)	4293646739 (0xFFEBD993)
YUV	214.4020, -33.2292, 18.0644
Hunter-Lab	83.3034, -7.9144, 31.5460

Details

The XYZ color **64.3403, 69.3945, 37.6071** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.4828, 39.1103, 84.0127**, and the grayscale version is **64.3902, 67.7436, 73.7727**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **33.3460, 36.1319, 16.0431** is the 20% darker color. If you saturate the color by 10%, you get **61.4614, 66.2923, 28.4604**, and if you desaturate by 10%, it is **67.6355, 72.7259, 48.7525**.

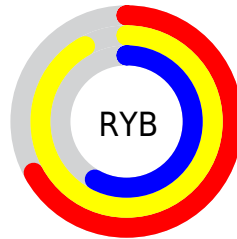
Distribution



Red (92%)

Green (85%)

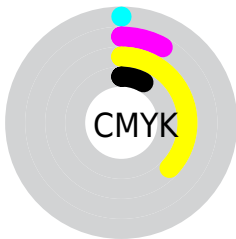
Blue (58%)



Red (67%)

Yellow (92%)

Blue (58%)

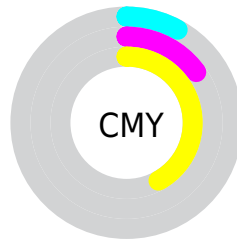


Cyan (0%)

Magenta (8%)

Yellow (37%)

Black (8%)



Cyan (8%)


Magenta (15%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3403, 69.3945, 37.6071 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 64.3403, 69.3945, 37.6071 by changing the saturation by 10% instead.


 64.3403, 69.3945,
37.6071

 64.3403, 69.3945,
37.6071


430.0003,
458.4211, 351.1790

 47.1891, 51.0331,
25.3784


 110.1719,
118.3449, 72.7023

 33.3937, 36.2349,
16.1376


 139.5829,
149.7026, 96.4058

 22.5889, 24.6157,
9.4662

173.8113,
186.1612, 124.7714

 14.4093, 15.7910,
4.9455

213.2223,
228.1050, 158.2176

 8.4895, 9.3764,
2.1572

258.1814,
275.9186, 197.1629

 4.4641, 4.9875,
0.6495

309.0538,

 1.9679, 2.2399,

329.9862, 242.0259

0.0000

366.2050,
390.6922, 293.2251

■ 0.6158, 0.7416,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3403, 69.3945,
37.6071

■ 64.3403, 69.3945,
37.6071

■ 61.4614, 66.2923,
28.4604

■ 67.6355, 72.7259,
48.7525

■ 58.9701, 63.3998,
21.1865

■ 71.3632, 76.2861,
62.0036

■ 56.8423, 60.7095,
15.6516

■ 75.5450, 80.0865,
77.4652

■ 55.0486, 58.2091,
11.7025

■ 80.1994, 84.1351,
95.2335

■ 53.5544, 55.8843,
9.1593

■ 83.7760, 87.8121,
107.1417

■ 52.3143, 53.7162,
7.7834

■ 85.2175, 90.6952,
107.6222

■ 52.0200, 53.1803,
7.5231

■ 86.6968, 93.6539,
108.1153

■ 88.0710, 96.4022,
108.5734

Harmonies

Analogous

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



72.9937, 69.3945, 40.1540



64.3403, 69.3945, 37.6071



56.7938, 69.3945, 43.2962

Triad

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



64.3403, 69.3945, 37.6071



53.4371, 69.3945, 106.6087



82.1682, 69.3945, 96.7545

Complementary

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



64.3403, 69.3945, 37.6071



40.4828, 39.1103, 84.0127

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.



76.0571, 69.3945, 120.8321



64.3403, 69.3945, 37.6071



59.3884, 69.3945, 127.3310

Square

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



64.3403, 69.3945, 37.6071



50.8589, 69.3945, 80.3253



67.6014, 69.3945, 133.0317



83.7824, 69.3945, 70.9847

Rectangle

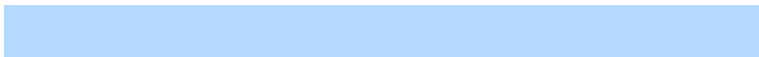
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.3403, 69.3945, 37.6071



53.2451, 69.3945, 51.9132



67.6014, 69.3945, 133.0317



80.5474, 69.3945, 105.4745

Sweetspot

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



64.3420, 69.3977, 37.6085



89.0557, 94.7182, 86.2256



51.5842, 41.2860, 41.3595



18.9137, 20.1396, 17.9078



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.



64.3420, 69.3977, 37.6085



74.7182, 80.6130, 36.5295



61.5725, 75.2349, 38.8812



16.0752, 17.0734, 15.9670



29.0454, 29.7850, 4.2182



2.3467, 2.4707, 0.3532

Inverse Universe

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



40.4828, 39.1103, 84.0127



42.1318, 39.2660, 99.9662



42.4284, 35.6295, 83.2383



14.4807, 15.0478, 19.0636



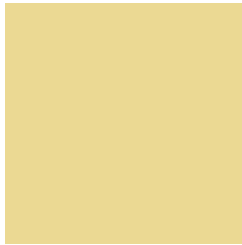
9.0079, 4.6627, 44.1682



0.7744, 0.5003, 3.4906

Previews

White Background



This preview shows how the XYZ color 64.3403, 69.3945, 37.6071 looks on a white background.

Color Contrast Check

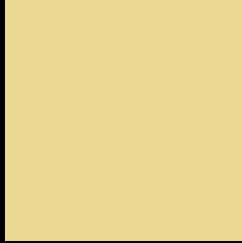
Large Text (above 18pt) WCAG AA × Fail

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 64.3403, 69.3945, 37.6071 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 64.3403, 69.3945, 37.6071

Background



This preview shows how black text looks on a background with the XYZ color 64.3403, 69.3945, 37.6071.



This preview shows how white text looks on a background with the XYZ color 64.3403, 69.3945,

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

64.3403, 69.3945, 37.6071

Protanopia

64.3403, 69.3945, 37.6071

Deuteranopia

70.2120, 69.3296, 42.0291



Tritanopia

72.7295, 69.0622, 80.0181

Trichromacy



Original Color

64.3403, 69.3945, 37.6071

Protanomaly

64.3403, 69.3945, 37.6071

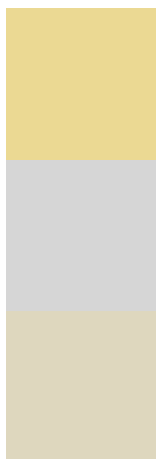
Deuteranomaly

68.0876, 69.3765, 40.3743

Tritanomaly

69.1933, 69.0993, 61.9152

Monochromacy



Original Color

64.3403, 69.3945, 37.6071

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.7189, 67.8482, 58.4529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3403, 69.3945, 37.6071 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(235, 217, 147)` looks like.

```
.text, #text, p{  
    color:rgb(235, 217, 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(235, 217, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 217, 147) }
```

Border

The CSS property to change the border of an element to XYZ 64.3403, 69.3945, 37.6071 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(235, 217, 147) }
```


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

```
.border{ border-color:rgb(235, 217, 147) }
```

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

Here you see how a box with a 4 pixel rgb(235, 217, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 217, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 217, 147);  
box-shadow:4px 4px 4px 4px rgb(235, 217,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3403, 69.3945, 37.6071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 217, 147) }
```

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

```
.background{ background-color: rgb(235,  
217, 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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