

Converting Colors

XYZ(68.1228, 74.0004, 37.4254)

Have a look what the booklet for
XYZ(68.1228, 74.0004, 37.4254)
contains.

XYZ(68.0421, 74.0564, 37.4962)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.0421, 74.0564,
37.4962)**

Conversions

Conversions Part 1

Format	Color
Hex	F1E091
RGB	241, 224, 145
RGB Percent	95%, 88%, 57%
CMY	0.0549, 0.1215, 0.4314
CMYK	0.00, 0.07, 0.40, 0.05
HSL	49°, 77%, 76%
HSV	49°, 40%, 95%
XYZ	68.0421, 74.0564, 37.4962
YIQ	220.0770, 35.4910, -20.9650

Conversions

Conversions Part 2

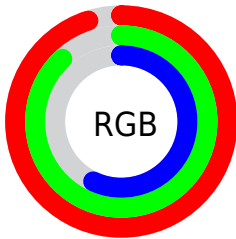
Format	Color
R _Y B	166, 241, 145
Decimal	15851665
CIE Lab	88.95, -5.08, 40.76
CIE LCh	89, 41.076, 97.109
Yxy	74.0564, 0.3789, 0.4124
Android (android.graphics.Color)	4294041745 (0xFFFF1E091)
YUV	220.0770, -37.0130, 18.3495
Hunter-Lab	86.0560, -9.4631, 34.4055

Details

The XYZ color **68.0421, 74.0564, 37.4962** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.4743, 38.2101, 88.4610**, and the grayscale version is **68.3158, 71.8735, 78.2703**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **35.6922, 39.2335, 16.0476** is the 20% darker color. If you saturate the color by 10%, you get **65.2458, 71.1289, 28.3482**, and if you desaturate by 10%, it is **71.2651, 77.2060, 48.7327**.

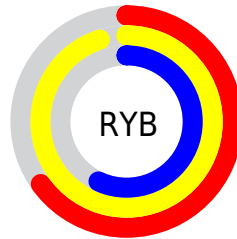
Distribution



Red (95%)

Green (88%)

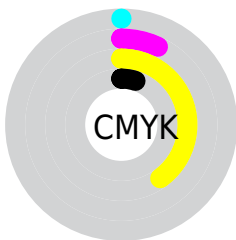
Blue (57%)



Red (65%)

Yellow (95%)

Blue (57%)

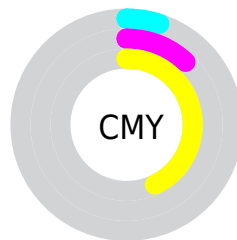


Cyan (0%)

Magenta (7%)

Yellow (40%)

Black (5%)



Cyan (5%)

Magenta (12%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0421, 74.0564, 37.4962 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 68.0421, 74.0564, 37.4962 by changing the saturation by 10% instead.

68.0421, 74.0564,
37.4962

68.0421, 74.0564,
37.4962

443.0196,
474.6680, 350.6870

50.2058, 54.8402,
25.2931

115.4539,
124.9758, 72.5301

35.7954, 39.2738,
16.0746

145.7602,
157.4477, 96.1980

24.4456, 26.9728,
9.4220

180.9538,
195.1070, 124.5246

15.7910, 17.5528,
4.9169

221.4001,
238.3381, 157.9285

9.4663, 10.6294,
2.1407

267.4645,
287.5254, 196.8281

5.1061, 5.8182,
0.6398

319.5123,

2.3450, 2.7349,

343.0532, 241.6420

0.0000

377.9088,
405.3059, 292.7888

■ 0.8176, 0.9949,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0421, 74.0564,
37.4962

■ 68.0421, 74.0564,
37.4962

■ 65.2458, 71.1289,
28.3482

■ 71.2651, 77.2060,
48.7327

■ 62.8453, 68.4027,
21.1518


■ 74.9323, 80.5770,
62.1741


■ 60.8142, 65.8696,
15.7606


■ 79.0671, 84.1817,
77.9335


■ 59.1202, 63.5164,
12.0059


■ 83.6893, 88.0284,
96.1149


 57.7250, 61.3274,
9.6867


 87.0801, 91.4299,
107.6659

 56.5655, 59.2770,
8.4718

 88.3881, 94.0458,
108.1019

 56.5469, 59.2434,
8.4548

 89.7261, 96.7218,
108.5478

 90.0856, 97.4407,
108.6677

Harmonies

Analogous

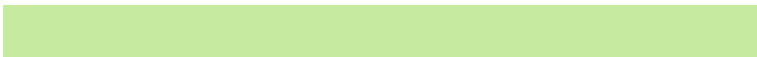
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1135, 74.0564, 39.8878



68.0421, 74.0564, 37.4962



59.4421, 74.0564, 44.2911

Triad

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



68.0421, 74.0564, 37.4962



56.1775, 74.0564, 118.5108



89.5715, 74.0564, 103.9373

Complementary

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



68.0421, 74.0564, 37.4962



40.4743, 38.2101, 88.4610

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.



82.6022, 74.0564, 132.8350



68.0421, 74.0564, 37.4962



63.1902, 74.0564, 142.5412

Square

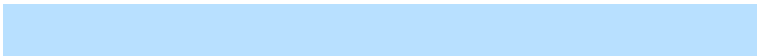
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.0421, 74.0564, 37.4962



53.0243, 74.0564, 87.6232



72.7880, 74.0564, 148.3234



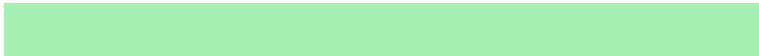
91.1813, 74.0564, 74.0283

Rectangle

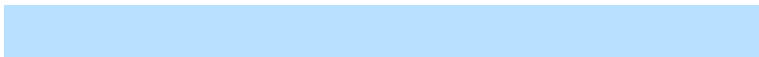
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.0421, 74.0564, 37.4962



55.4841, 74.0564, 54.3390



72.7880, 74.0564, 148.3234



87.7480, 74.0564, 114.2830

Sweetspot

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



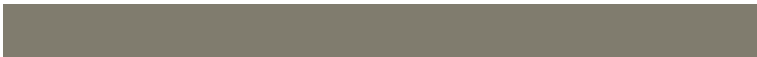
68.0439, 74.0598, 37.4977



88.8051, 94.7760, 84.4188



52.9766, 41.5824, 39.6977



18.8729, 20.1694, 17.5505



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.



68.0439, 74.0598, 37.4977



74.6792, 81.4087, 33.8231



63.3160, 78.7449, 38.6512



16.8710, 17.9552, 16.7262



30.7540, 32.3060, 4.6148



2.6201, 2.8109, 0.4045

Inverse Universe

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



40.4743, 38.2101, 88.4610



39.2596, 35.3736, 99.3663



43.7724, 35.7629, 87.8149



15.1235, 15.6811, 19.9513



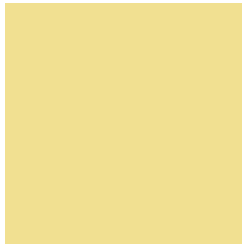
9.1400, 4.5042, 45.5155



0.8240, 0.5021, 3.8077

Previews

White Background



This preview shows how the XYZ color 68.0421, 74.0564, 37.4962 looks on a white background.

Color Contrast Check

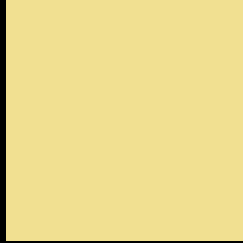
Large Text (above 18pt) WCAG AA × Fail

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 68.0421, 74.0564, 37.4962 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 68.0421, 74.0564, 37.4962

Background



This preview shows how black text looks on a background with the XYZ color 68.0421, 74.0564, 37.4962.



This preview shows how white text looks on a background with the XYZ color 68.0421, 74.0564,

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

68.0421, 74.0564, 37.4962

Protanopia

68.4607, 73.8744, 37.4390

Deuteranopia

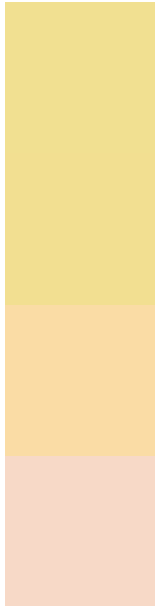
73.8893, 74.0203, 51.4673



Tritanopia

77.5015, 73.6257, 84.9893

Trichromacy



Original Color

68.0421, 74.0564, 37.4962

Protanomaly

68.1165, 73.6969, 37.4229

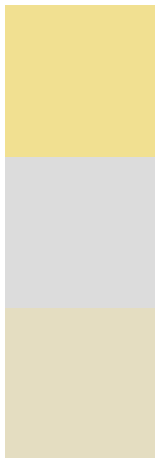
Deuteranomaly

71.8091, 74.2270, 46.1398

Tritanomaly

73.4794, 73.5234, 64.3515

Monochromacy



Original Color

68.0421, 74.0564, 37.4962

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.4770, 72.0571, 60.8041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0421, 74.0564, 37.4962 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(241, 224, 145)` looks like.

```
.text, #text, p{  
    color:rgb(241, 224, 145)  
}
```

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(241, 224, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 224, 145) }
```

Border

The CSS property to change the border of an element to XYZ 68.0421, 74.0564, 37.4962 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(241, 224, 145) }
```


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

```
.border{ border-color:rgb(241, 224, 145) }
```

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

Here you see how a box with a 4 pixel rgb(241, 224, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 224, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 224, 145);  
box-shadow:4px 4px 4px 4px rgb(241, 224,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0421, 74.0564, 37.4962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 224, 145) }
```

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

```
.background{ background-color: rgb(241,  
224, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor