

# Converting Colors

XYZ(69.4314, 74.3375, 62.5306)

Have a look what the booklet for  
XYZ(69.4314, 74.3375, 62.5306)  
contains.

<b>XYZ(69.4610, 74.2404, 62.2986)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(69.4610, 74.2404,  
62.2986)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7E0C3
RGB	231, 224, 195
RGB Percent	91%, 88%, 76%
CMY	0.0941, 0.1215, 0.2353
CMYK	0.00, 0.03, 0.16, 0.09
HSL	48°, 43%, 84%
HSV	48°, 16%, 91%
XYZ	69.4610, 74.2404, 62.2986
YIQ	222.7870, 13.4810, -7.5350

# Conversions

## Conversions Part 2

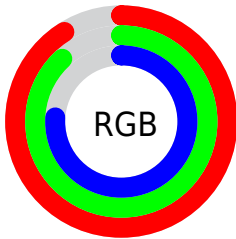
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 231, 195
Decimal	15196355
CIE Lab	89.04, -2.37, 15.06
CIE LCh	89, 15.246, 98.942
Yxy	74.2404, 0.3372, 0.3604
Android (android.graphics.Color)	4293386435 (0xFFE7E0C3)
YUV	222.7870, -13.6990, 7.2028
Hunter-Lab	86.1629, -6.8856, 17.4454

# Details

The XYZ color **69.4610, 74.2404, 62.2986** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **58.0498, 59.6114, 84.0485**, and the grayscale version is **70.0772, 73.7267, 80.2884**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **36.6749, 39.4130, 30.8738** is the 20% darker color. If you saturate the color by 10%, you get **65.8589, 70.8972, 49.1936**, and if you desaturate by 10%, it is **73.5031, 77.8156, 77.5454**.

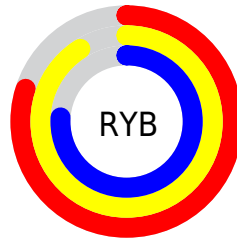
# Distribution



Red (91%)

Green (88%)

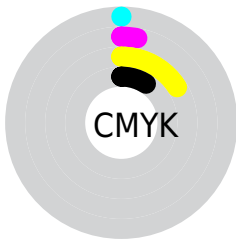
Blue (76%)



Red (80%)

Yellow (91%)

Blue (76%)

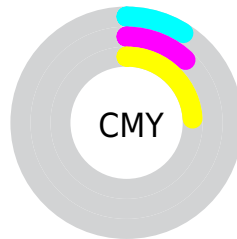


Cyan (0%)

Magenta (3%)

Yellow (16%)

Black (9%)



Cyan (9%)

Magenta (12%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4610, 74.2404, 62.2986 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 69.4610, 74.2404, 62.2986 by changing the saturation by 10% instead.



69.4610, 74.2404,  
62.2986

69.4610, 74.2404,  
62.2986

447.9512,  
475.3027, 451.0571

51.3652, 54.9908,  
44.8367

117.4702,  
125.2365, 109.7328

36.7216, 39.3944,  
30.9868

148.1145,  
157.7519, 140.5421

25.1647, 27.0667,  
20.3304

183.6722,  
195.4579, 176.6376

16.3292, 17.6233,  
12.4490

224.5088,  
238.7391, 218.4378

9.8497, 10.6799,  
6.9240

270.9897,  
287.9797, 266.3614

5.3609, 5.8520,  
3.3369

323.4801,

2.4975, 2.7553,

343.5643, 320.8267

1.2691

382.3455,  
405.8771, 382.2525

■ 0.8940, 1.0054,  
0.0363

■ 0.0000, 0.0000,  
0.0000

■ 69.4610, 74.2404,  
62.2986

■ 69.4610, 74.2404,  
62.2986

■ 65.8589, 70.8972,  
49.1936

■ 73.5031, 77.8156,  
77.5454

■ 62.6720, 67.7681,  
38.1282

■ 77.9967, 81.6202,  
95.0207

■ 59.8821, 64.8480,  
28.9986

■ 81.4262, 85.0509,  
106.7326

■ 57.4672, 62.1277,  
21.6903

■ 82.7455, 87.6896,  
107.1724

■ 55.4029, 59.5971,  
16.0765

■ 84.0977, 90.3939,  
107.6231

■ 53.6620, 57.2447,  
12.0141

■ 85.4829, 93.1643,  
108.0848

■ 52.2125, 55.0575,  
9.3363

■ 86.7653, 95.7291,  
108.5123

■ 51.0151, 53.0193,  
7.8379

■ 50.5384, 52.1553,  
7.4033

# Harmonies

## Analogous

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



73.1557, 74.2404, 63.2407



69.4610, 74.2404, 62.2986



66.1769, 74.2404, 65.9735

# Triad

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



69.4610, 74.2404, 62.2986



65.1629, 74.2404, 94.3580



77.4269, 74.2404, 88.3947

# Complementary

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



69.4610, 74.2404, 62.2986



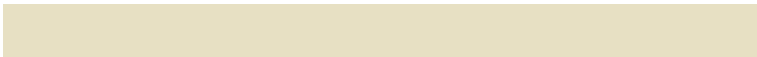
58.0498, 59.6114, 84.0485

# Split Complementary

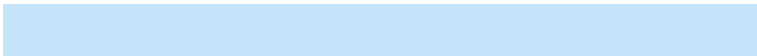
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.1393, 74.2404, 97.7762



69.4610, 74.2404, 62.2986



68.0328, 74.2404, 101.4232

# Square

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



69.4610, 74.2404, 62.2986



63.7531, 74.2404, 84.0503



71.6771, 74.2404, 102.7260



77.8419, 74.2404, 77.7031



# Rectangle

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



69.4610, 74.2404, 62.2986



64.6311, 74.2404, 70.7537



71.6771, 74.2404, 102.7260



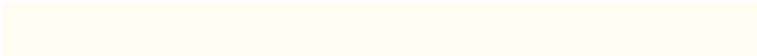
76.8477, 74.2404, 91.8315

# Sweetspot

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



69.4630, 74.2437, 62.3002



92.2793, 97.6353, 98.1833



63.1553, 60.2939, 64.3116



19.6707, 20.8281, 20.7051



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.



69.4630, 74.2437, 62.3002



85.2774, 91.4027, 71.8913



68.0028, 76.3395, 62.7817



15.3512, 16.3162, 15.2447



28.4204, 29.4149, 4.1797



2.1613, 2.2959, 0.3292



# Inverse Universe

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



58.0498, 59.6114, 84.0485



68.2033, 69.5141, 104.4306



59.3379, 57.8940, 83.6491



13.8084, 14.3382, 18.1841



8.6780, 4.4181, 42.7786

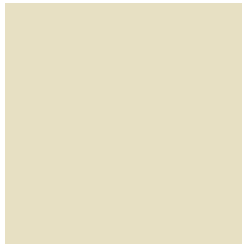


0.7051, 0.4541, 3.1825



# Previews

## White Background



This preview shows how the XYZ color 69.4610, 74.2404, 62.2986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

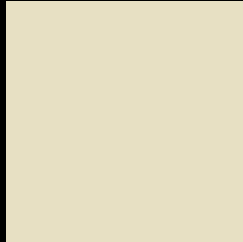
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.4610, 74.2404, 62.2986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

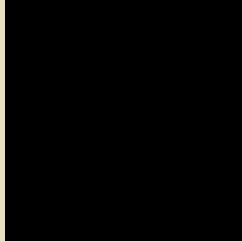
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.4610, 74.2404, 62.2986**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.4610, 74.2404, 62.2986.



This preview shows how white text looks on a background with the XYZ color 69.4610, 74.2404,



# 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

69.4610, 74.2404, 62.2986

### Protanopia

70.0570, 74.1628, 61.6614

### Deuteranopia

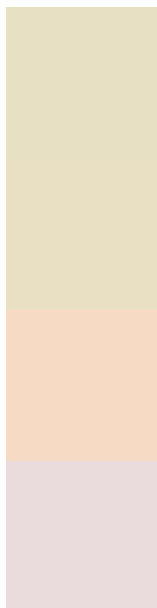
75.6185, 73.8921, 63.1004



## Tritanopia

74.6589, 73.9738, 88.9407

# Trichromacy



## Original Color

69.4610, 74.2404, 62.2986

## Protanomaly

69.7296, 73.9940, 61.6461

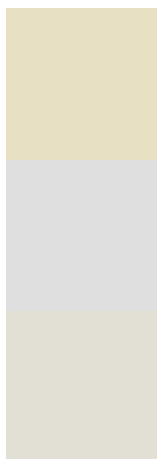
## Deuteranomaly

73.0412, 73.7212, 62.6045

## Tritanomaly

72.4432, 73.8461, 78.1457

# Monochromacy



## Original Color

69.4610, 74.2404, 62.2986

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.7619, 73.7482, 73.5088

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4610, 74.2404, 62.2986 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(231, 224, 195) looks like.

```
.text, #text, p{  
    color:rgb(231, 224, 195)  
}
```

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(231, 224, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 224, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 69.4610, 74.2404, 62.2986 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(231, 224, 195) }
```



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

```
.border{ border-color:rgb(231, 224, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 224, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 224, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 224, 195);  
box-shadow:4px 4px 4px 4px rgb(231, 224,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.4610, 74.2404, 62.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 224, 195) }
```

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

```
.background{ background-color: rgb(231,  
224, 195) }
```

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