

# Converting Colors

XYZ(75.1150, 82.4204, 69.0765)

Have a look what the booklet for  
XYZ(75.1150, 82.4204, 69.0765)  
contains.

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# Color

**XYZ(75.1150, 82.4204,  
69.0765)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAEDCC
RGB	234, 237, 204
RGB Percent	92%, 93%, 80%
CMY	0.0823, 0.0706, 0.2000
CMYK	0.01, 0.00, 0.14, 0.07
HSL	65°, 48%, 86%
HSV	65°, 14%, 93%
XYZ	75.1150, 82.4204, 69.0765
YIQ	232.3410, 8.8050, -10.8990

# Conversions

## Conversions Part 2

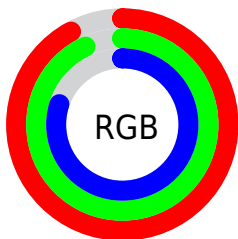
Format	Color
<a href="#">RYB</a>	<a href="#">204, 237, 207</a>
Decimal	<a href="#">15396300</a>
CIELab	<a href="#">92.76, -6.52, 15.67</a>
CIELCh	<a href="#">93, 16.968, 112.595</a>
Yxy	<a href="#">82.4204, 0.3315, 0.3637</a>
Android (android.graphics.Color)	<a href="#">4293586380</a> ( <a href="#">0xFFEAEDCC</a> )
YUV	<a href="#">232.3410, -13.9721, 1.4549</a>
Hunter-Lab	<a href="#">90.7857, -11.1862, 18.4377</a>

# Details

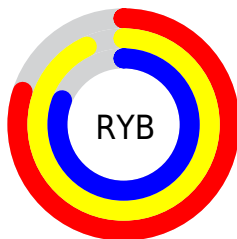
The XYZ color **75.1150, 82.4204, 69.0765** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.6141, 62.5677, 88.9018**, and the grayscale version is **77.0559, 81.0688, 88.2839**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3890, 44.7147, 35.3562** is the 20% darker color. If you saturate the color by 10%, you get **71.7827, 81.0089, 55.1941**, and if you desaturate by 10%, it is **78.8930, 84.0167, 85.2412**.

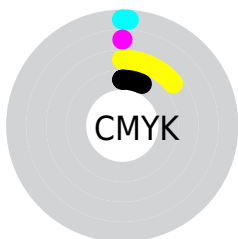
# Distribution



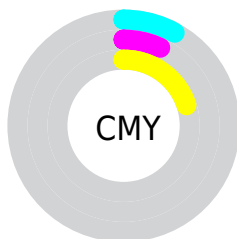
- Red (92%)
- Green (93%)
- Blue (80%)



- Red (80%)
- Yellow (93%)
- Blue (81%)



- Cyan (1%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1150, 82.4204, 69.0765 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 75.1150, 82.4204, 69.0765 by changing the saturation by 10% instead.



75.1150, 82.4204,  
69.0765

75.1150, 82.4204,  
69.0765

467.3038,  
503.0528, 476.0020

56.0016, 61.7121,  
50.3019

125.4622,  
136.7634, 119.5596

40.4412, 44.8001,  
35.2805

157.4267,  
171.1669, 152.1051

28.0685, 31.3000,  
23.5937

194.4056,  
210.9043, 190.0780

18.5180, 20.8274,  
14.8231

236.7643,  
256.3599, 233.8968

11.4245, 12.9979,  
8.5501

284.8681,  
307.9181, 283.9800

6.4225, 7.4271,  
4.3561

339.0824,

3.1467, 3.7306,

365.9635, 340.7463

1.8227

399.7725,  
430.8802, 404.6141

■ 1.2318, 1.5240,  
0.4429

■ 0.1313, 0.3056,  
0.0000

■ 75.1150, 82.4204,  
69.0765

■ 75.1150, 82.4204,  
69.0765

■ 71.7827, 81.0089,  
55.1941

■ 78.8930, 84.0167,  
85.2412

■ 68.8700, 79.7635,  
43.4859

■ 83.1283, 85.7941,  
103.7788

■ 66.3580, 78.6793,  
33.8434

■ 84.4322, 86.4000,  
106.8346

■ 64.2239, 77.7473,  
26.1462

■ 85.1710, 86.7809,  
106.8691

62.4425, 76.9574,  
20.2618

85.9185, 87.1663,  
106.9041

60.9855, 76.2981,  
16.0412

86.6749, 87.5562,  
106.9395

59.8199, 75.7565,  
13.3116

87.4400, 87.9506,  
106.9753

58.9059, 75.3164,  
11.8626

88.2140, 88.3496,  
107.0115

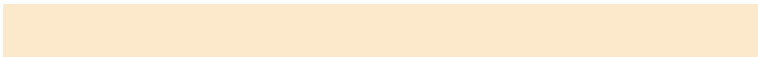
58.4365, 75.0839,  
11.4127

88.9968, 88.7532,  
107.0482

# Harmonies

## Analogous

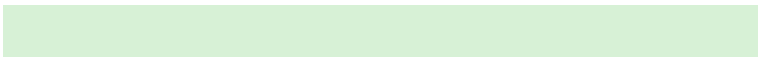
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4395, 82.4204, 67.6860



75.1150, 82.4204, 69.0765



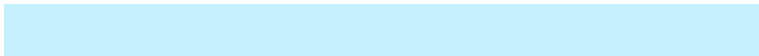
71.7733, 82.4204, 75.7418

# Triad

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



75.1150, 82.4204, 69.0765



73.2837, 82.4204, 110.5185



87.0801, 82.4204, 92.9183

# Complementary

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



75.1150, 82.4204, 69.0765



62.6141, 62.5677, 88.9018

# Split Complementary

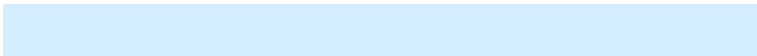
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2915, 82.4204, 105.3686



75.1150, 82.4204, 69.0765



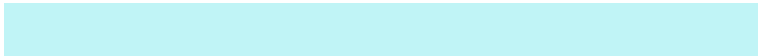
77.2469, 82.4204, 116.1334

# Square

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



75.1150, 82.4204, 69.0765



70.7441, 82.4204, 99.4314



81.6521, 82.4204, 114.1652



86.4571, 82.4204, 80.7031

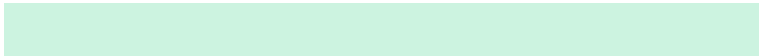


# Rectangle

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



75.1150, 82.4204, 69.0765



70.4982, 82.4204, 82.6501



81.6521, 82.4204, 114.1652



86.7387, 82.4204, 97.2280

# Sweetspot

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



75.1172, 82.4240, 69.0783



93.1101, 99.1847, 100.4633



68.0791, 66.8709, 66.4472



19.8534, 21.1976, 21.1745



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.



75.1172, 82.4240, 69.0783



87.4025, 96.7750, 76.1290



70.0249, 79.7988, 68.8400



16.2089, 17.5532, 16.0525



31.9613, 41.0211, 6.2333



2.5493, 3.2416, 0.4913



# Inverse Universe

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



62.6141, 62.5677, 88.9018



69.7059, 68.6697, 104.1884



67.3900, 65.0298, 89.1253



14.3583, 14.6145, 18.9864



8.5676, 3.4527, 43.9578

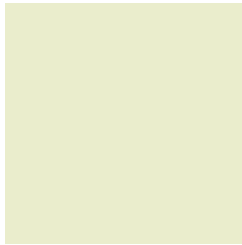


0.7164, 0.2936, 3.4538



# Previews

## White Background



This preview shows how the XYZ color 75.1150, 82.4204, 69.0765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

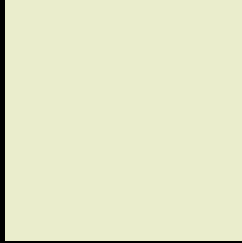
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1150, 82.4204, 69.0765 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

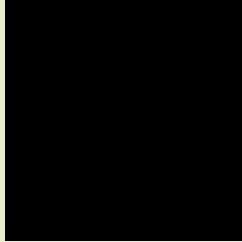
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

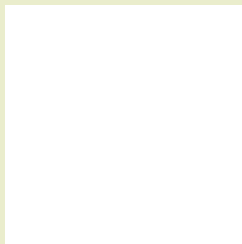
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.1150, 82.4204, 69.0765

## Background



This preview shows how black text looks on a background with the XYZ color 75.1150, 82.4204, 69.0765.



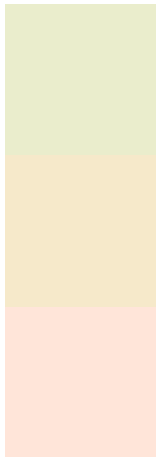
This preview shows how white text looks on a background with the XYZ color 75.1150, 82.4204,

69.0765.

# 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

75.1150, 82.4204, 69.0765

### Protanopia

77.8056, 82.1349, 67.6299

### Deuteranopia

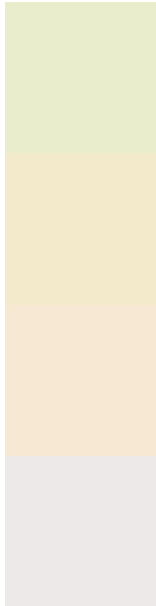
81.7837, 82.3084, 77.2223



## Tritanopia

81.6100, 82.5166, 101.2485

# Trichromacy



## Original Color

75.1150, 82.4204, 69.0765

## Protanomaly

76.8203, 82.0347, 68.2853

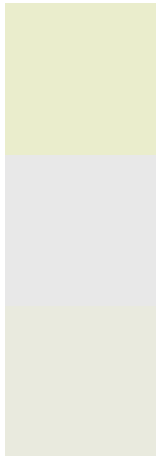
## Deuteranomaly

79.0980, 82.2408, 73.9925

## Tritanomaly

79.1068, 82.3382, 88.8143

# Monochromacy



## Original Color

75.1150, 82.4204, 69.0765

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.2119, 81.4432, 80.8106

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1150, 82.4204, 69.0765 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(234, 237, 204)` looks like.

```
.text, #text, p{  
    color:rgb(234, 237, 204)  
}
```

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(234, 237, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 237, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1150, 82.4204, 69.0765 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(234, 237, 204) }
```



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

```
.border{ border-color:rgb(234, 237, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 237, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 237, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 237, 204);  
box-shadow:4px 4px 4px 4px rgb(234, 237,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1150, 82.4204, 69.0765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 237, 204) }
```

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

```
.background{ background-color: rgb(234,  
237, 204) }
```

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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