

# Converting Colors

XYZ(76.0999, 84.0975, 69.3483)

Have a look what the booklet for  
XYZ(76.0999, 84.0975, 69.3483)  
contains.

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# Color

**XYZ(76.3201, 84.3420,  
69.3839)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBF0CC
RGB	235, 240, 204
RGB Percent	92%, 94%, 80%
CMY	0.0784, 0.0588, 0.2000
CMYK	0.02, 0.00, 0.15, 0.06
HSL	68°, 55%, 87%
HSV	68°, 15%, 94%
XYZ	76.3201, 84.3420, 69.3839
YIQ	234.4010, 8.5760, -12.2560

# Conversions

## Conversions Part 2

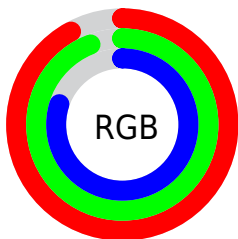
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 240, 209
Decimal	15462604
CIE <sub>Lab</sub>	93.60, -7.68, 16.86
CIE <sub>LCh</sub>	94, 18.523, 114.481
Yxy	84.3420, 0.3318, 0.3666
Android (android.graphics.Color)	4293652684 (0xFFEBF0CC)
YUV	234.4010, -14.9877, 0.5253
Hunter-Lab	91.8379, -12.3774, 19.4927

# Details

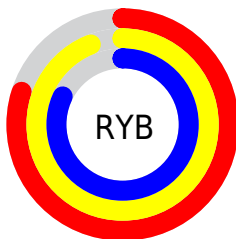
The XYZ color **76.3201, 84.3420, 69.3839** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.6189, 63.0346, 91.2565**, and the grayscale version is **78.6181, 82.7123, 90.0737**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2359, 46.0667, 35.5726** is the 20% darker color. If you saturate the color by 10%, you get **72.5700, 82.7187, 55.3222**, and if you desaturate by 10%, it is **80.5390, 86.1608, 85.7865**.

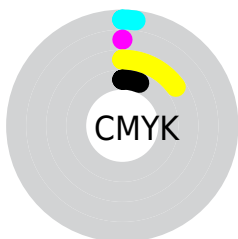
# Distribution



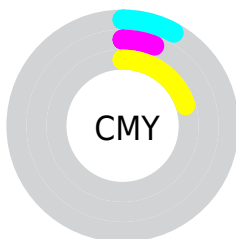
- Red (92%)
- Green (94%)
- Blue (80%)



- Red (80%)
- Yellow (94%)
- Blue (82%)



- Cyan (2%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3201, 84.3420, 69.3839 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 76.3201, 84.3420, 69.3839 by changing the saturation by 10% instead.



76.3201, 84.3420,  
69.3839

76.3201, 84.3420,  
69.3839

471.3703,  
509.4482, 477.1144

56.9930, 63.2978,  
50.5507

127.1572,  
139.4535, 120.0026

41.2397, 46.0822,  
35.4769

159.3980,  
174.2896, 152.6252

28.6950, 32.3107,  
23.7440

196.6740,  
214.4918, 190.6813

18.9933, 21.5989,  
14.9334

239.3506,  
260.4445, 234.5896

11.7694, 13.5625,  
8.6266

287.7932,  
312.5321, 284.7685

6.6579, 7.8170,  
4.4049

342.3671,

3.2935, 3.9781,

371.1390, 341.6365

1.8500

403.4377,  
436.6496, 405.6123

■ 1.3108, 1.6613,  
0.4606

■ 0.1913, 0.3984,  
0.0000

■ 76.3201, 84.3420,  
69.3839

■ 76.3201, 84.3420,  
69.3839

■ 72.5700, 82.7187,  
55.3222

■ 80.5390, 86.1608,  
85.7865

■ 69.2616, 81.2716,  
43.4894

■ 85.2391, 88.1717,  
104.6243

■ 66.3753, 79.9958,  
33.7722

■ 86.8716, 88.9580,  
107.1997

■ 63.8871, 78.8815,  
26.0457

■ 88.0463, 89.5636,  
107.2547

■ 61.7707, 77.9183,  
20.1714

■ 89.2421, 90.1801,  
107.3107

■ 59.9963, 77.0942,  
15.9933

■ 90.4518, 90.8037,  
107.3673

■ 58.5294, 76.3954,  
13.3299

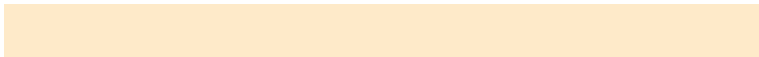
■ 57.3275, 75.8049,  
11.9581

■ 56.7937, 75.5374,  
11.5868

# Harmonies

## Analogous

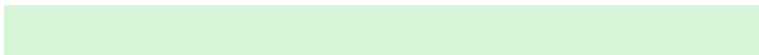
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0748, 84.3420, 67.4912



76.3201, 84.3420, 69.3839



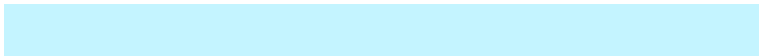
72.7319, 84.3420, 77.0213

# Triad

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



76.3201, 84.3420, 69.3839



74.8101, 84.3420, 115.6149



89.9214, 84.3420, 94.4557

# Complementary

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



76.3201, 84.3420, 69.3839



63.6189, 63.0346, 91.2565

# Split Complementary

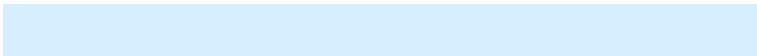
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0870, 84.3420, 108.4338



76.3201, 84.3420, 69.3839



79.2611, 84.3420, 121.4224

# Square

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



76.3201, 84.3420, 69.3839



71.8854, 84.3420, 103.4859



84.1360, 84.3420, 118.6694

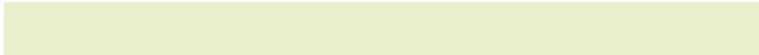


89.0562, 84.3420, 81.0915

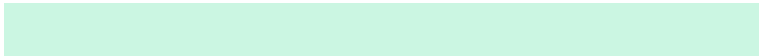


# Rectangle

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



76.3201, 84.3420, 69.3839



71.4177, 84.3420, 84.7966



84.1360, 84.3420, 118.6694



89.5979, 84.3420, 99.2506

# Sweetspot

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



76.3224, 84.3457, 69.3857



92.4155, 98.8712, 98.4146



69.5886, 68.3901, 66.6609



19.7039, 21.1295, 20.7615



0.0000, 0.0000, 0.0000

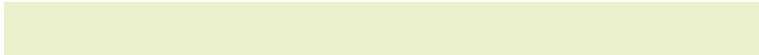


20.3446, 21.4041, 23.3091

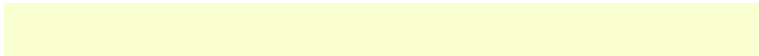


# Same Dimension

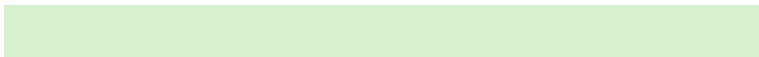
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3224, 84.3457, 69.3857



86.2123, 96.1982, 74.4108



70.7369, 81.4663, 69.1243



16.8942, 18.3412, 16.7995



31.1731, 41.3919, 6.3464



2.6522, 3.4738, 0.5307



# Inverse Universe

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



63.6189, 63.0346, 91.2565



69.0408, 67.3900, 103.9765



68.9393, 65.7774, 91.5055



15.1016, 15.3341, 19.8854



9.0238, 3.6573, 45.3582

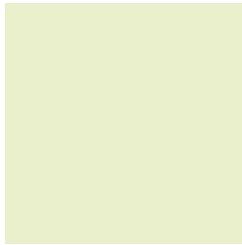


0.8139, 0.3368, 3.7763



# Previews

## White Background



This preview shows how the XYZ color 76.3201, 84.3420, 69.3839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

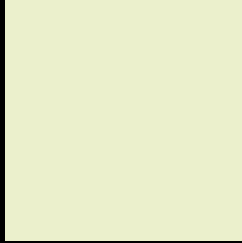
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3201, 84.3420, 69.3839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

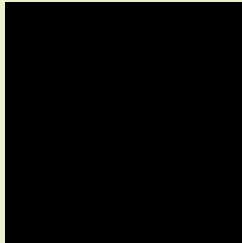
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

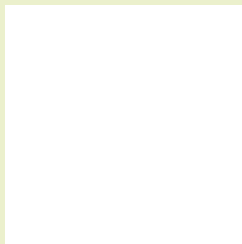
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.3201, 84.3420, 69.3839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.3201, 84.3420, 69.3839.



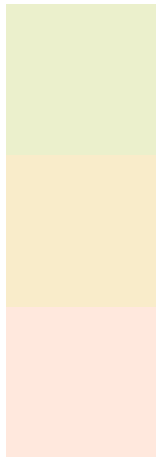
This preview shows how white text looks on a background with the XYZ color 76.3201, 84.3420,



# 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

76.3201, 84.3420, 69.3839

### Protanopia

79.7230, 84.3949, 67.9651

### Deuteranopia

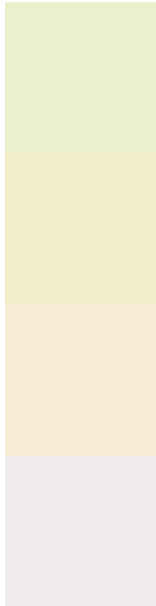
83.1478, 84.1937, 80.2753



## Tritanopia

83.3276, 84.1833, 103.9526

# Trichromacy



## Original Color

76.3201, 84.3420, 69.3839

## Protanomaly

78.3719, 84.1133, 68.6048

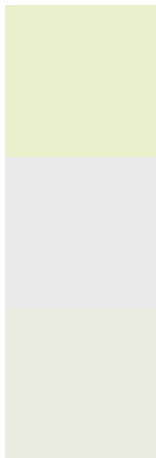
## Deuteranomaly

80.6855, 84.2794, 76.3050

## Tritanomaly

80.5875, 84.3398, 90.6291

# Monochromacy



## Original Color

76.3201, 84.3420, 69.3839

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.2464, 82.8110, 81.7248

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3201, 84.3420, 69.3839 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, 240, 204) looks like.

```
.text, #text, p{  
    color:rgb(235, 240, 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(235, 240, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 240, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3201, 84.3420, 69.3839 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, 240, 204) }
```



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

```
.border{ border-color:rgb(235, 240, 204) }
```

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

Here you see how a box with a 4 pixel rgb(235, 240, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 240, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 240, 204);  
box-shadow:4px 4px 4px 4px rgb(235, 240,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3201, 84.3420, 69.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 240, 204) }
```

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

```
.background{ background-color: rgb(235,  
240, 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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