

# Converting Colors

XYZ(69.7709, 76.5039, 65.3736)

Have a look what the booklet for  
XYZ(69.7709, 76.5039, 65.3736)  
contains.

<b>XYZ(69.6921, 76.3309, 65.0930)</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(69.6921, 76.3309,  
65.0930)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2E5C7
RGB	226, 229, 199
RGB Percent	89%, 90%, 78%
CMY	0.1137, 0.1019, 0.2196
CMYK	0.01, 0.00, 0.13, 0.10
HSL	66°, 37%, 84%
HSV	66°, 13%, 90%
XYZ	69.6921, 76.3309, 65.0930
YIQ	224.6830, 7.8420, -9.9660

# Conversions

## Conversions Part 2

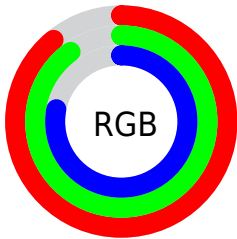
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 229, 202
Decimal	14869959
CIE Lab	90.01, -6.08, 14.30
CIE LCh	90, 15.538, 113.041
Yxy	76.3309, 0.3301, 0.3616
Android (android.graphics.Color)	4293060039 (0xFFE2E5C7)
YUV	224.6830, -12.6617, 1.1550
Hunter-Lab	87.3676, -10.5058, 16.9834

# Details

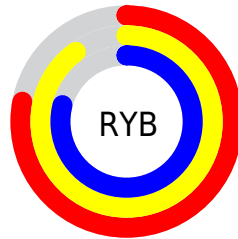
The XYZ color **69.6921, 76.3309, 65.0930** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.9265, 59.0626, 82.4274**, and the grayscale version is **71.4262, 75.1460, 81.8339**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0415, 40.9744, 32.7446** is the 20% darker color. If you saturate the color by 10%, you get **66.5172, 74.9809, 52.0938**, and if you desaturate by 10%, it is **73.2810, 77.8526, 80.2034**.

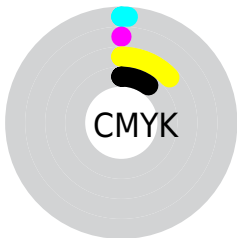
# Distribution



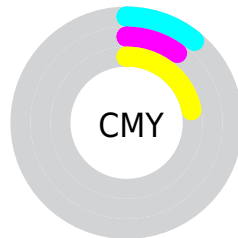
- Red (89%)
- Green (90%)
- Blue (78%)



- Red (78%)
- Yellow (90%)
- Blue (79%)



- Cyan (1%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6921, 76.3309, 65.0930 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 69.6921, 76.3309, 65.0930 by changing the saturation by 10% instead.



69.6921, 76.3309,  
65.0930

69.6921, 76.3309,  
65.0930

448.7515,  
482.4797, 461.4414

51.5542, 56.7039,  
47.0847

117.7982,  
128.1945, 113.7981

36.8727, 40.7675,  
32.7478

148.4972,  
161.2000, 145.3320

25.2822, 28.1375,  
21.6638

184.1140,  
199.4336, 182.2114

16.4173, 18.4293,  
13.4141

225.0138,  
243.2800, 224.8550

9.9126, 11.2587,  
7.5802

271.5621,  
293.1233, 273.6813

5.4029, 6.2411,  
3.7437

324.1243,

2.5227, 2.9922,

349.3481, 329.1087

1.4858

383.0656,  
412.3388, 391.5559

■ 0.9067, 1.1277,  
0.2073

■ 0.0000, 0.0014,  
0.0000

■ 69.6921, 76.3309,  
65.0930

■ 69.6921, 76.3309,  
65.0930

■ 66.5172, 74.9809,  
52.0938

■ 73.2810, 77.8526,  
80.2034

■ 63.7321, 73.7855,  
41.1069

■ 77.2944, 79.5427,  
97.5080

■ 61.3199, 72.7402,  
32.0332

■ 79.6365, 80.5655,  
105.9611

■ 59.2595, 71.8369,  
24.7630

■ 80.3896, 80.9537,  
105.9964

■ 57.5281, 71.0662,  
19.1754

■ 81.1526, 81.3471,  
106.0321

■ 56.0998, 70.4178,  
15.1351

■ 81.9254, 81.7454,  
106.0683

■ 54.9450, 69.8799,  
12.4856

■ 82.7079, 82.1489,  
106.1049

■ 54.0276, 69.4381,  
11.0376

■ 83.5004, 82.5574,  
106.1420

■ 53.4939, 69.1736,  
10.5324

■ 84.3028, 82.9710,  
106.1795

# Harmonies

## Analogous

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



73.4507, 76.3309, 63.7978



69.6921, 76.3309, 65.0930



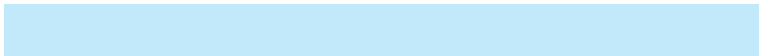
66.7958, 76.3309, 71.0080

# Triad

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



69.6921, 76.3309, 65.0930



68.1909, 76.3309, 101.2240



80.1472, 76.3309, 85.7061

# Complementary

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



69.6921, 76.3309, 65.0930



58.9265, 59.0626, 82.4274

# Split Complementary

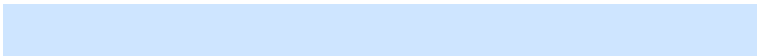
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6260, 76.3309, 96.5174



69.6921, 76.3309, 65.0930



71.6572, 76.3309, 105.9755

# Square

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



69.6921, 76.3309, 65.0930



65.9508, 76.3309, 91.6858



75.4855, 76.3309, 104.1812



79.5759, 76.3309, 75.0889



# Rectangle

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



69.6921, 76.3309, 65.0930



65.6991, 76.3309, 77.0809



75.4855, 76.3309, 104.1812



79.8618, 76.3309, 89.4485

# Sweetspot

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



69.6942, 76.3342, 65.0946



93.0761, 99.1671, 100.4617



63.7450, 63.0246, 62.8392



19.8448, 21.1932, 21.1741



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.



69.6942, 76.3342, 65.0946



87.6758, 96.8785, 77.8307



65.1948, 74.0148, 64.8841



15.4519, 16.7400, 15.3212



30.6421, 39.5781, 6.0243



2.3057, 2.9460, 0.4471



# Inverse Universe

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



58.9265, 59.0626, 82.4274



71.1463, 70.3640, 104.4395



63.1840, 61.2575, 82.6266



13.7161, 13.9559, 18.1152



8.3334, 3.3619, 42.5929

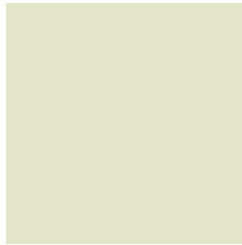


0.6615, 0.2720, 3.1496



# Previews

## White Background



This preview shows how the XYZ color 69.6921, 76.3309, 65.0930 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

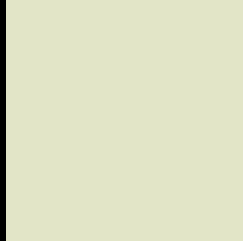
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.6921, 76.3309, 65.0930 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

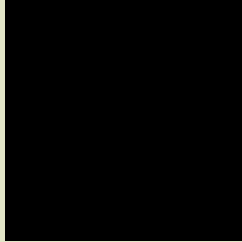
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

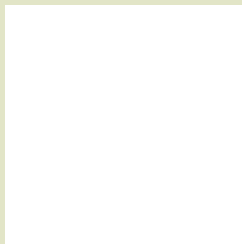
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.6921, 76.3309, 65.0930

## Background



This preview shows how black text looks on a background with the XYZ color 69.6921, 76.3309, 65.0930.



This preview shows how white text looks on a background with the XYZ color 69.6921, 76.3309, 65.0930.



# 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

69.6921, 76.3309, 65.0930

### Protanopia

72.1995, 76.4285, 63.7702

### Deuteranopia

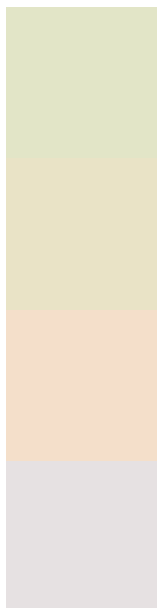
77.3510, 76.2348, 67.1379



## Tritanopia

75.5436, 76.2820, 93.9614

# Trichromacy



## Original Color

69.6921, 76.3309, 65.0930

## Protanomaly

71.2664, 76.3390, 64.4048

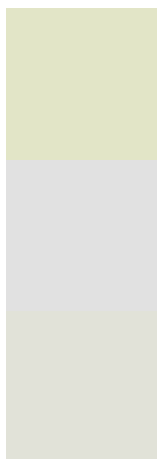
## Deuteranomaly

74.3566, 76.2727, 66.6802

## Tritanomaly

73.2858, 76.1644, 82.7901

# Monochromacy



## Original Color

69.6921, 76.3309, 65.0930

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

70.6424, 75.3581, 75.7881

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.6921, 76.3309, 65.0930 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(226, 229, 199)` looks like.

```
.text, #text, p{  
    color:rgb(226, 229, 199)  
}
```

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(226, 229, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 229, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 69.6921, 76.3309, 65.0930 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(226, 229, 199) }
```



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

```
.border{ border-color:rgb(226, 229, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 229, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 229, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 229, 199); box-shadow:4px 4px 4px 4px rgb(226, 229, 199) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.6921, 76.3309, 65.0930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 229, 199) }
```

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

```
.background{ background-color: rgb(226,  
229, 199) }
```

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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