

# Converting Colors

XYZ(70.1876, 76.6281, 63.7386)

Have a look what the booklet for  
XYZ(70.1876, 76.6281, 63.7386)  
contains.

<b>XYZ(70.0923, 76.5638, 63.9074)</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(70.0923, 76.5638,  
63.9074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E5C5
RGB	228, 229, 197
RGB Percent	89%, 90%, 77%
CMY	0.1059, 0.1019, 0.2274
CMYK	0.00, 0.00, 0.14, 0.10
HSL	62°, 38%, 84%
HSV	62°, 14%, 90%
XYZ	70.0923, 76.5638, 63.9074
YIQ	225.0530, 9.6760, -10.1640

# Conversions

## Conversions Part 2

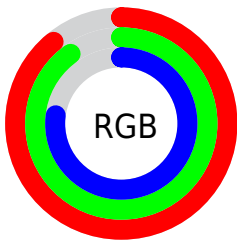
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 229, 198
Decimal	15001029
CIE <sub>Lab</sub>	90.12, -5.68, 15.51
CIE <sub>LCh</sub>	90, 16.522, 110.123
Yxy	76.5638, 0.3329, 0.3636
Android (android.graphics.Color)	4293191109 (0xFFE4E5C5)
YUV	225.0530, -13.8301, 2.5845
Hunter-Lab	87.5007, -10.1392, 17.9472

# Details

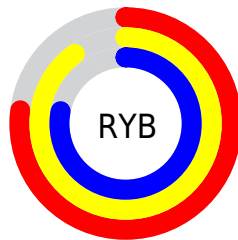
The XYZ color **70.0923, 76.5638, 63.9074** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.4007, 57.5975, 82.2249**, and the grayscale version is **71.6993, 75.4333, 82.1468**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **37.1072, 41.0259, 31.9496** is the 20% darker color. If you saturate the color by 10%, you get **67.4384, 75.4785, 51.1106**, and if you desaturate by 10%, it is **73.1500, 77.8158, 78.8070**.

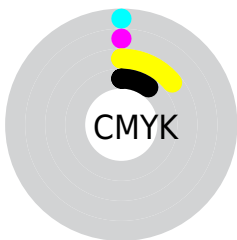
# Distribution



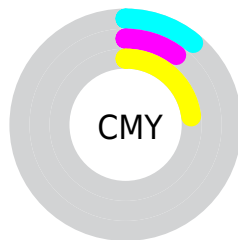
- Red (89%)
- Green (90%)
- Blue (77%)



- Red (77%)
- Yellow (90%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0923, 76.5638, 63.9074 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 70.0923, 76.5638, 63.9074 by changing the saturation by 10% instead.



70.0923, 76.5638,  
63.9074

70.0923, 76.5638,  
63.9074

450.1354,  
483.2755, 457.0534

51.8817, 56.8949,  
46.1300

118.3659,  
128.5236, 112.0758

37.1346, 40.9209,  
31.9990

149.1596,  
161.5832, 143.3038

25.4859, 28.2573,  
21.0959

184.8784,  
199.8753, 179.8524

16.5701, 18.5197,  
13.0022

225.8875,  
243.7842, 222.1401

10.0219, 11.3237,  
7.2993

272.5524,  
293.6943, 270.5856

5.4758, 6.2850,  
3.5687

325.2385,

2.5667, 3.0192,

349.9899, 325.6072

1.3919

384.3110,  
413.0555, 387.6237

■ 0.9290, 1.1417,  
0.1354

■ 0.0000, 0.0133,  
0.0000

■ 70.0923, 76.5638,  
63.9074

■ 70.0923, 76.5638,  
63.9074

■ 67.4384, 75.4785,  
51.1106

■ 73.1500, 77.8158,  
78.8070

■ 65.1641, 74.5426,  
40.3174


■ 76.6220, 79.2312,  
95.8929

■ 63.2522, 73.7518,  
31.4276


■ 78.7546, 80.1108,  
105.9199


■ 61.6818, 73.0976,  
24.3308


■ 78.9860, 80.2301,  
105.9307

 60.4296, 72.5709,  
18.9052


 79.2183, 80.3498,  
105.9416


 59.4698, 72.1612,  
15.0137


 79.4516, 80.4701,  
105.9525


 58.7720, 71.8565,  
12.4976

 79.6859, 80.5909,  
105.9634

 58.2997, 71.6420,  
11.1639

 79.9211, 80.7121,  
105.9744

 58.0891, 71.5425,  
10.7475

 80.1572, 80.8339,  
105.9855

# Harmonies

## Analogous

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



74.1326, 76.5638, 63.0370



70.0923, 76.5638, 63.9074



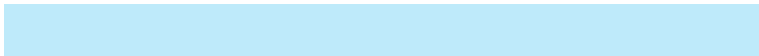
66.8864, 76.5638, 69.7080

# Triad

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



70.0923, 76.5638, 63.9074



67.8321, 76.5638, 101.9245



80.8198, 76.5638, 87.2990

# Complementary

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



70.0923, 76.5638, 63.9074



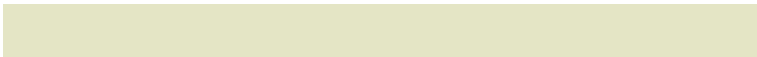
57.4007, 57.5975, 82.2249

# Split Complementary

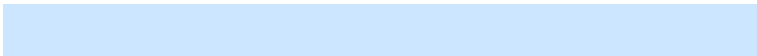
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9923, 76.5638, 98.6984



70.0923, 76.5638, 63.9074



71.4274, 76.5638, 107.6513

# Square

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



70.0923, 76.5638, 63.9074



65.6158, 76.5638, 91.3783



75.5183, 76.5638, 106.4182



80.4296, 76.5638, 75.8344

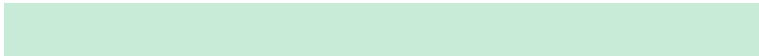


# Rectangle

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



70.0923, 76.5638, 63.9074



65.6050, 76.5638, 75.9200



75.5183, 76.5638, 106.4182



80.4420, 76.5638, 91.2814

# Sweetspot

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



70.0944, 76.5672, 63.9090



93.3332, 99.2997, 100.4738



62.4812, 60.8663, 61.2797



19.9101, 21.2269, 21.1772



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.



70.0944, 76.5672, 63.9090



88.3407, 97.2587, 76.1729



65.3863, 74.1401, 63.6887



15.5545, 16.7929, 15.3260



33.2309, 40.9126, 6.1455



2.4698, 3.0306, 0.4548



# Inverse Universe

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



57.4007, 57.5975, 82.2249



68.9498, 68.2799, 104.1530



61.7070, 59.8174, 82.4264



13.6244, 13.9086, 18.1109



8.1563, 3.2706, 42.5846

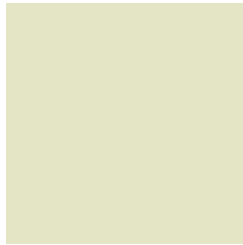


0.6176, 0.2493, 3.1475



# Previews

## White Background



This preview shows how the XYZ color 70.0923, 76.5638, 63.9074 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 70.0923, 76.5638, 63.9074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

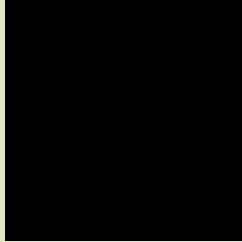
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

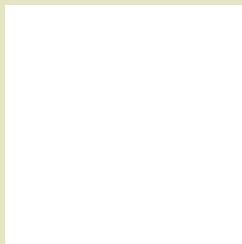
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.0923, 76.5638, 63.9074**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.0923, 76.5638, 63.9074.



This preview shows how white text looks on a background with the XYZ color 70.0923, 76.5638,



# 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

70.0923, 76.5638, 63.9074

### Protanopia

72.3066, 76.5100, 62.5867

### Deuteranopia

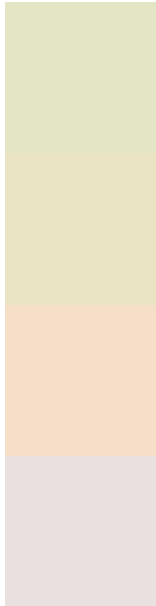
77.3510, 76.2348, 67.1379



## Tritanopia

76.0475, 76.5590, 93.2073

# Trichromacy



## Original Color

70.0923, 76.5638, 63.9074

## Protanomaly

71.3646, 76.4161, 63.2130

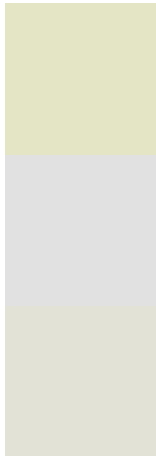
## Deuteranomaly

74.5865, 76.4049, 66.0748

## Tritanomaly

73.6585, 76.3881, 81.3832

# Monochromacy



## Original Color

70.0923, 76.5638, 63.9074

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

70.8261, 75.4678, 75.1238

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0923, 76.5638, 63.9074 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(228, 229, 197)` looks like.

```
.text, #text, p{  
    color:rgb(228, 229, 197)  
}
```

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(228, 229, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 229, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0923, 76.5638, 63.9074 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(228, 229, 197) }
```



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

```
.border{ border-color:rgb(228, 229, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 229, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 229, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 229, 197); box-shadow:4px 4px 4px 4px rgb(228, 229, 197) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0923, 76.5638, 63.9074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 229, 197) }
```

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

```
.background{ background-color: rgb(228,  
229, 197) }
```

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