

# Converting Colors

XYZ(71.6781, 68.6811, 62.5573)

Have a look what the booklet for  
XYZ(71.6781, 68.6811, 62.5573)  
contains.

<b>XYZ(71.5737, 68.4978, 62.2724)</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(71.5737, 68.4978,  
62.2724)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FACEC5
RGB	250, 206, 197
RGB Percent	98%, 81%, 77%
CMY	0.0196, 0.1921, 0.2274
CMYK	0.00, 0.18, 0.21, 0.02
HSL	10°, 84%, 88%
HSV	10°, 21%, 98%
XYZ	71.5737, 68.4978, 62.2724
YIQ	218.1300, 29.1130, 6.5290

# Conversions

## Conversions Part 2

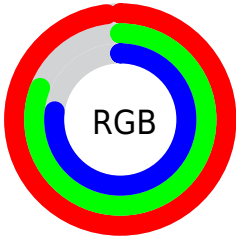
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 208, 197
Decimal	16436933
CIE Lab	86.25, 14.14, 10.29
CIE LCh	86, 17.486, 36.042
Yxy	68.4978, 0.3537, 0.3385
Android (android.graphics.Color)	4294627013 (0xFFFACEC5)
YUV	218.1300, -10.4171, 27.9500
Hunter-Lab	82.7634, 9.5307, 13.3237

# Details

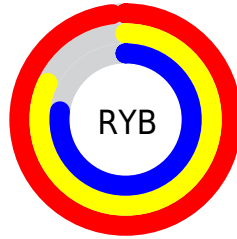
The XYZ color **71.5737, 68.4978, 62.2724** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.7360, 81.6810, 102.4281**, and the grayscale version is **66.7873, 70.2654, 76.5191**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **38.1785, 35.7771, 30.8800** is the 20% darker color. If you saturate the color by 10%, you get **64.2731, 58.1068, 46.8586**, and if you desaturate by 10%, it is **80.0127, 80.4043, 80.4109**.

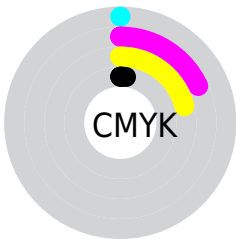
# Distribution



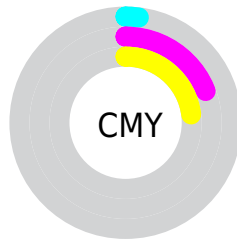
- Red (98%)
- Green (81%)
- Blue (77%)



- Red (98%)
- Yellow (82%)
- Blue (77%)



- Cyan (0%)
- Magenta (18%)
- Yellow (21%)
- Black (2%)




- Cyan (2%)
- Magenta (19%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5737, 68.4978, 62.2724 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 71.5737, 68.4978, 62.2724 by changing the saturation by 10% instead.




 71.5737, 68.4978,  
62.2724

 71.5737, 68.4978,  
62.2724

455.2371,  
455.2577, 450.9591

 53.0947, 50.3028,  
44.8156


120.4643,  
117.0640, 109.6945

 38.1062, 35.6541,  
30.9703

151.6067,  
148.2040, 140.4970

 26.2427, 24.1671,  
20.3180


187.7009,  
184.4278, 176.5851

 17.1389, 15.4577,  
12.4400

229.1123,  
226.1198, 218.3774

 10.4295, 9.1412,  
6.9179

276.2063,  
273.6644, 266.2924

 5.7491, 4.8334,  
3.3332

329.3482,

 2.7323, 2.1498,

327.4460, 320.7486

1.2672

388.9034,  
387.8490, 382.1647

■ 1.0138, 0.6924,  
0.0347

■ 0.0000, 0.0000,  
0.0000

■ 71.5737, 68.4978,  
62.2724

■ 71.5737, 68.4978,  
62.2724

■ 64.2731, 58.1068,  
46.8586

■ 80.0127, 80.4043,  
80.4109

■ 58.0564, 49.1613,  
34.0335

■ 89.6306, 93.8742,  
101.3926

■ 52.8727, 41.5996,  
23.6556

■ 93.2346, 99.0641,  
108.8150

■ 48.6647, 35.3521,  
15.5683

■ 45.3696, 30.3426,  
9.5966

■ 42.9167, 26.4874,  
5.5401

■ 41.2242, 23.6916,  
3.1593

■ 40.2695, 22.0139,  
2.1267

# Harmonies

## Analogous

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



73.1188, 68.4978, 72.2708



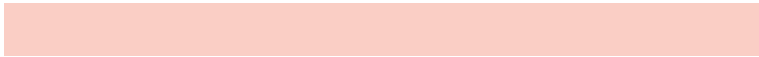
71.5737, 68.4978, 62.2724



68.3025, 68.4978, 56.0852

# Triad

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



71.5737, 68.4978, 62.2724



58.2776, 68.4978, 65.9293



65.9242, 68.4978, 98.8990

# Complementary

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



71.5737, 68.4978, 62.2724



71.7360, 81.6810, 102.4281

# 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.



62.0091, 68.4978, 96.7559



71.5737, 68.4978, 62.2724



57.6995, 68.4978, 76.9429

# Square

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



71.5737, 68.4978, 62.2724



60.6515, 68.4978, 58.0392



59.0385, 68.4978, 88.4165



69.7716, 68.4978, 94.0038



# Rectangle

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



71.5737, 68.4978, 62.2724



65.6414, 68.4978, 54.5620



59.0385, 68.4978, 88.4165



64.5718, 68.4978, 98.9840

# Sweetspot

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



71.5756, 68.5009, 62.2738



88.7650, 91.2161, 95.1327



75.2934, 66.6182, 92.2405



18.8588, 19.3272, 20.0558



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.



71.5756, 68.5009, 62.2738



71.8111, 67.3117, 58.6422



78.4536, 82.2570, 64.5665



17.4829, 17.7016, 17.9577



21.4300, 11.8167, 1.1514

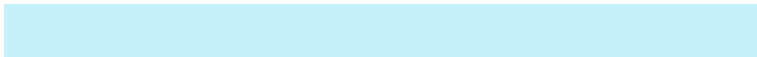


2.0497, 1.2242, 0.1283



# Inverse Universe

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



71.7360, 81.6810, 102.4281



72.0003, 83.1319, 106.8590



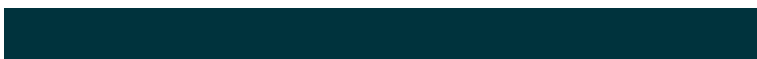
64.4977, 67.2046, 100.0154



17.5001, 19.0771, 22.1452



21.1489, 27.6534, 52.1965

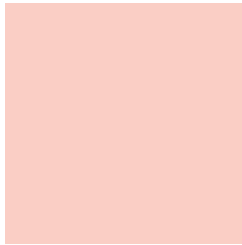


2.0229, 2.6895, 4.8557



# Previews

## White Background



This preview shows how the XYZ color 71.5737, 68.4978, 62.2724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

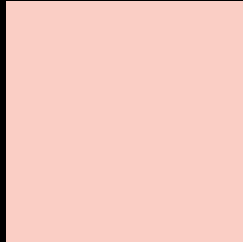
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.5737, 68.4978, 62.2724 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 71.5737, 68.4978, 62.2724**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.5737, 68.4978, 62.2724.



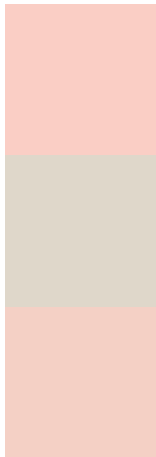
This preview shows how white text looks on a background with the XYZ color 71.5737, 68.4978,

62.2724.

# 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

71.5737, 68.4978, 62.2724

### Protanopia

65.3925, 68.5531, 65.6626

### Deuteranopia

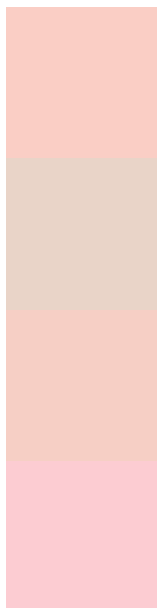
69.9421, 68.3761, 62.3349



## Tritanopia

74.5188, 68.6565, 75.6541

# Trichromacy



## Original Color

71.5737, 68.4978, 62.2724

## Protanomaly

67.5731, 68.5807, 64.3195

## Deuteranomaly

70.3969, 68.2497, 62.2865

## Tritanomaly

73.3706, 68.5343, 70.3342

# Monochromacy



## Original Color

71.5737, 68.4978, 62.2724

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

68.3126, 69.5693, 70.8005

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.5737, 68.4978, 62.2724 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(250, 206, 197) looks like.

```
.text, #text, p{  
    color:rgb(250, 206, 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(250, 206, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 206, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 71.5737, 68.4978, 62.2724 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(250, 206, 197) }
```



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

```
.border{ border-color:rgb(250, 206, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 206, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 206, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 206, 197);  
box-shadow:4px 4px 4px 4px rgb(250, 206,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.5737, 68.4978, 62.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 206, 197) }
```

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

```
.background{ background-color: rgb(250,  
206, 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