

# Converting Colors

XYZ(64.8866, 60.6472, 42.1689)

Have a look what the booklet for  
XYZ(64.8866, 60.6472, 42.1689)  
contains.

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# **Color**

**XYZ(64.7070, 60.5965,  
42.0041)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">FAC0A1</a>
RGB	<a href="#">250, 192, 161</a>
RGB Percent	<a href="#">98%, 75%, 63%</a>
CMY	<a href="#">0.0196, 0.2470, 0.3686</a>
CMYK	<a href="#">0.00, 0.23, 0.36, 0.02</a>
HSL	<a href="#">21°, 90%, 81%</a>
HSV	<a href="#">21°, 36%, 98%</a>
XYZ	<a href="#">64.7070, 60.5965, 42.0041</a>
YIQ	<a href="#">205.8080, 44.5190, 2.6550</a>

# Conversions

## Conversions Part 2

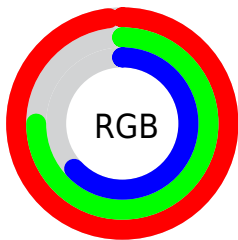
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 209, 161
Decimal	16433313
CIE Lab	82.16, 16.74, 23.65
CIE LCh	82, 28.978, 54.703
Yxy	60.5965, 0.3868, 0.3622
Android (android.graphics.Color)	4294623393 (0xFFFA0A1)
YUV	205.8080, -22.0903, 38.7564
Hunter-Lab	77.8438, 12.1501, 22.4980

# Details

The XYZ color **64.7070, 60.5965, 42.0041** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.2839, 65.1399, 99.9965**, and the grayscale version is **58.6616, 61.7166, 67.2094**.

A 20% lighter version of the original color is **87.5104, 93.9692, 78.4913**, and **33.5870, 30.4876, 18.5825** is the 20% darker color. If you saturate the color by 10%, you get **59.3381, 53.0410, 30.4036**, and if you desaturate by 10%, it is **70.9158, 69.1260, 56.0603**.

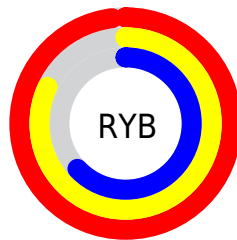
# Distribution



Red (98%)

Green (75%)

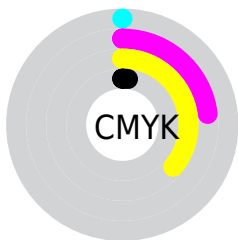
Blue (63%)



Red (98%)

Yellow (82%)

Blue (63%)

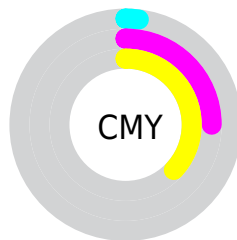


Cyan (0%)

Magenta (23%)

Yellow (36%)

Black (2%)



Cyan (2%)

Magenta (25%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7070, 60.5965, 42.0041 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 64.7070, 60.5965, 42.0041 by changing the saturation by 10% instead.





 64.7070, 60.5965,  
42.0041


 64.7070, 60.5965,  
42.0041

431.3002,  
426.7930, 370.3001

 47.4874, 43.8996,  
28.7789

 110.6966,  
105.6945, 79.4760

 33.6307, 30.5916,  
18.6695


 140.1972,  
134.8644, 104.5598

 22.7715, 20.2881,  
11.2573


174.5222,  
168.9607, 134.4335

 14.5447, 12.6046,  
6.1238

214.0369,  
208.3679, 169.5157

 8.5847, 7.1568,  
2.8505

259.1067,  
253.4703, 210.2249

 4.5262, 3.5604,  
1.0188

310.0970,

 2.0039, 1.4308,

304.6524, 256.9797

0.0000

367.3730,  
362.2985, 310.1986

0.6362, 0.2393,  
0.0000

0.0000, 0.0000,  
0.0000

64.7070, 60.5965,  
42.0041

64.7070, 60.5965,  
42.0041

59.3381, 53.0410,  
30.4036

70.9158, 69.1260,  
56.0603

54.7651, 46.4145,  
21.1119

77.9963, 78.6550,  
72.7002

50.9468, 40.6813,  
13.9715

85.9842, 89.2188,  
92.0472

47.8359, 35.7994,  
8.8039

93.2343, 99.0640,  
108.8150

■ 45.3786, 31.7230,  
5.4006

■ 43.5109, 28.4004,  
3.5052

■ 42.8401, 27.1556,  
2.9836

# Harmonies

## Analogous

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



69.0287, 60.5965, 52.8052



64.7070, 60.5965, 42.0041



58.6946, 60.5965, 37.6596

# Triad

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



64.7070, 60.5965, 42.0041



46.5973, 60.5965, 62.8997



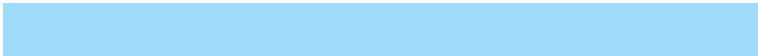
62.6835, 60.5965, 101.8062

# Complementary

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



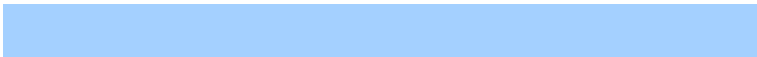
64.7070, 60.5965, 42.0041



57.2839, 65.1399, 99.9965

# 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.



56.5096, 60.5965, 105.8055



64.7070, 60.5965, 42.0041



47.4995, 60.5965, 81.1803

# Square

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



64.7070, 60.5965, 42.0041



48.4667, 60.5965, 48.2701



51.0245, 60.5965, 97.6852



67.8033, 60.5965, 87.5632



# Rectangle

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



64.7070, 60.5965, 42.0041



54.6436, 60.5965, 38.3275



51.0245, 60.5965, 97.6852



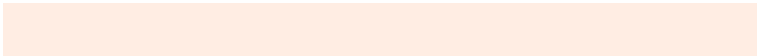
60.6511, 60.5965, 104.4889

# Sweetspot

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



64.7086, 60.5994, 42.0053



85.3020, 87.2108, 84.9743



65.1320, 50.9993, 74.3532



18.0185, 18.3492, 17.6094



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.



64.7086, 60.5994, 42.0053



63.4249, 57.4092, 34.6680



75.6137, 82.4096, 45.6404



17.7391, 18.2141, 18.0431



22.8449, 14.6464, 1.6230



2.2109, 1.5466, 0.1820



# Inverse Universe

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



57.2839, 65.1399, 99.9965



54.5503, 62.7946, 103.8532



47.4465, 45.4653, 96.7174



17.2271, 18.5311, 22.0542



16.2310, 17.8175, 50.5572



1.6024, 1.8486, 4.7155



# Previews

## White Background



This preview shows how the XYZ color 64.7070, 60.5965, 42.0041 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 64.7070, 60.5965, 42.0041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

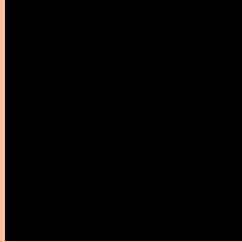
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.7070, 60.5965, 42.0041

## Background



This preview shows how black text looks on a background with the XYZ color 64.7070, 60.5965, 42.0041.



This preview shows how white text looks on a background with the XYZ color 64.7070, 60.5965,



# 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

64.7070, 60.5965, 42.0041

### Protanopia

57.1832, 60.7275, 45.2669

### Deuteranopia

61.6817, 60.3686, 41.6590



## Tritanopia

68.9746, 60.4057, 63.2824

# Trichromacy



## Original Color

64.7070, 60.5965, 42.0041

## Protanomaly

59.7589, 60.6832, 44.1607

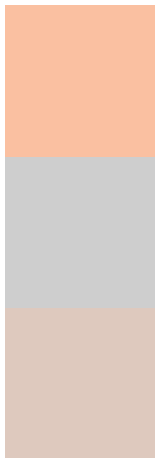
## Deuteranomaly

62.8224, 60.6230, 41.6480

## Tritanomaly

67.3542, 60.3943, 54.5617

# Monochromacy



## Original Color

64.7070, 60.5965, 42.0041

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

60.3051, 61.0206, 57.3149

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7070, 60.5965, 42.0041 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, 192, 161)` looks like.

```
.text, #text, p{  
    color:rgb(250, 192, 161)  
}
```

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, 192, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 192, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7070, 60.5965, 42.0041 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, 192, 161) }
```



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

```
.border{ border-color:rgb(250, 192, 161) }
```

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

Here you see how a box with a 4 pixel rgb(250, 192, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 192, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 192, 161);  
box-shadow:4px 4px 4px 4px rgb(250, 192,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7070, 60.5965, 42.0041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 192, 161) }
```

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

```
.background{ background-color: rgb(250,  
192, 161) }
```

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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