

# Converting Colors

XYZ(67.7729, 71.4544, 42.1291)

Have a look what the booklet for  
XYZ(67.7729, 71.4544, 42.1291)  
contains.

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# Color

**XYZ(67.7752, 71.4544,  
42.1182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2DA9D
RGB	242, 218, 157
RGB Percent	95%, 85%, 62%
CMY	0.0510, 0.1451, 0.3843
CMYK	0.00, 0.10, 0.35, 0.05
HSL	43°, 77%, 78%
HSV	43°, 35%, 95%
XYZ	67.7752, 71.4544, 42.1182
YIQ	218.2220, 33.8850, -13.8830

# Conversions

## Conversions Part 2

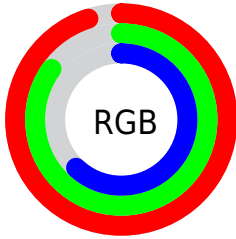
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 242, 157
Decimal	15915677
CIELab	87.71, -0.31, 33.08
CIELCh	88, 33.079, 90.533
Yxy	71.4544, 0.3737, 0.3940
Android (android.graphics.Color)	4294105757 (0xFFF2DA9D)
YUV	218.2220, -30.1824, 20.8533
Hunter-Lab	84.5307, -4.8106, 29.6297

# Details

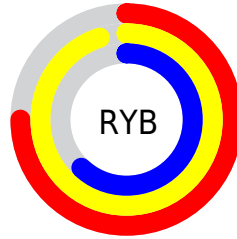
The XYZ color **67.7752, 71.4544, 42.1182** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.4551, 46.6253, 90.5557**, and the grayscale version is **66.9807, 70.4689, 76.7407**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **35.6546, 37.5286, 18.7291** is the 20% darker color. If you saturate the color by 10%, you get **64.1757, 67.2407, 31.7150**, and if you desaturate by 10%, it is **71.8606, 75.9844, 54.7038**.

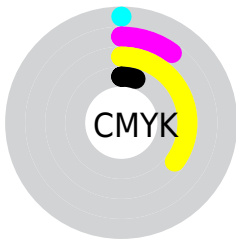
# Distribution



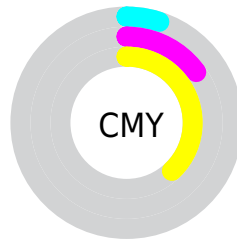
- Red (95%)
- Green (85%)
- Blue (62%)



- Red (75%)
- Yellow (95%)
- Blue (62%)



- Cyan (0%)
- Magenta (10%)
- Yellow (35%)
- Black (5%)



- Cyan (5%)
- Magenta (15%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7752, 71.4544, 42.1182 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 67.7752, 71.4544, 42.1182 by changing the saturation by 10% instead.



67.7752, 71.4544,  
42.1182

67.7752, 71.4544,  
42.1182

442.0884,  
465.6403, 370.7868

49.9879, 52.7131,  
28.8676

115.0742,  
121.2805, 79.6505

35.6215, 37.5738,  
18.7360

145.3165,  
153.1341, 104.7693

24.3108, 25.6521,  
11.3048

180.4413,  
190.1273, 134.6812

15.6903, 16.5635,  
6.1555

220.8138,  
232.6444, 169.8048

9.3947, 9.9238,  
2.8695

266.7994,  
281.0699, 210.5586

5.0587, 5.3485,  
1.0284

318.7634,

2.3169, 2.4531,

335.7881, 257.3612

0.0000

377.0713,  
397.1834, 310.6311

■ 0.8033, 0.8530,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.7752, 71.4544,  
42.1182

■ 67.7752, 71.4544,  
42.1182

■ 64.1757, 67.2407,  
31.7150

■ 71.8606, 75.9844,  
54.7038

■ 61.0315, 63.3220,  
23.3616

■ 76.4496, 80.8315,  
69.5851

■ 58.3168, 59.6891,  
16.9178

■ 81.5655, 86.0090,  
86.8727

■ 56.0002, 56.3281,  
12.2239

■ 87.2286, 91.5261,  
106.6687

■ 54.0457, 53.2230,  
9.0938

■ 89.5297, 95.8206,  
108.3842

■ 52.4088, 50.3547,  
7.2987

■ 90.4280, 97.6173,  
108.6837

■ 51.6935, 49.0283,  
6.7389

# Harmonies

## Analogous

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



75.6056, 71.4544, 45.9373



67.7752, 71.4544, 42.1182



60.5398, 71.4544, 46.2204

# Triad

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



67.7752, 71.4544, 42.1182



55.7387, 71.4544, 101.8651



81.9061, 71.4544, 101.0353

# Complementary

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



67.7752, 71.4544, 42.1182



46.4551, 46.6253, 90.5557

# 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.



75.8666, 71.4544, 121.2365



67.7752, 71.4544, 42.1182



60.7650, 71.4544, 121.7768

# Square

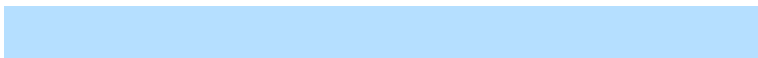
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7752, 71.4544, 42.1182



53.9266, 71.4544, 78.2038



68.0555, 71.4544, 129.4609



84.1352, 71.4544, 77.4010



# Rectangle

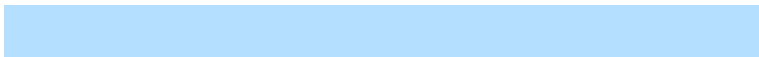
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7752, 71.4544, 42.1182



56.9280, 71.4544, 53.4556



68.0555, 71.4544, 129.4609



80.2325, 71.4544, 108.6032

# Sweetspot

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



67.7770, 71.4577, 42.1197



88.3840, 93.3749, 86.0017



57.0245, 46.3316, 49.6991



18.7530, 19.8181, 17.8542



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.



67.7770, 71.4577, 42.1197



73.4396, 77.1194, 38.9903



68.4498, 81.7197, 44.0650



16.7239, 17.6609, 16.6772



27.8918, 26.5817, 3.6607



2.4042, 2.3791, 0.3325



# Inverse Universe

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



46.4551, 46.6253, 90.5557



46.1916, 45.4004, 100.9363



45.8576, 39.6879, 89.2481



15.2606, 15.9552, 19.9970



9.8302, 5.8846, 45.7456



0.8991, 0.6523, 3.8327



# Previews

## White Background



This preview shows how the XYZ color 67.7752, 71.4544, 42.1182 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 67.7752, 71.4544, 42.1182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

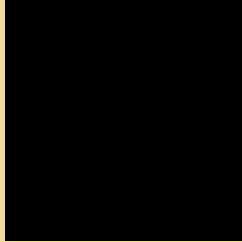
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.7752, 71.4544, 42.1182

## Background



This preview shows how black text looks on a background with the XYZ color 67.7752, 71.4544, 42.1182.



This preview shows how white text looks on a background with the XYZ color 67.7752, 71.4544,



# 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

67.7752, 71.4544, 42.1182

### Protanopia

66.6898, 71.6595, 42.6645

### Deuteranopia

72.0392, 71.2492, 47.9858



## Tritanopia

75.8154, 71.3612, 81.0123

# Trichromacy



## Original Color

67.7752, 71.4544, 42.1182

## Protanomaly

67.0997, 71.4824, 42.6087

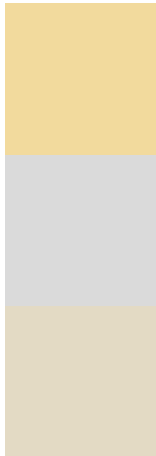
## Deuteranomaly

70.2624, 71.1337, 45.6243

## Tritanomaly

72.3266, 71.0313, 64.5420

# Monochromacy



## Original Color

67.7752, 71.4544, 42.1182

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.7138, 70.4592, 62.3083

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.7752, 71.4544, 42.1182 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(242, 218, 157)` looks like.

```
.text, #text, p{  
    color:rgb(242, 218, 157)  
}
```

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(242, 218, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 218, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 67.7752, 71.4544, 42.1182 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(242, 218, 157) }
```



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

```
.border{ border-color:rgb(242, 218, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 218, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 218, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 218, 157);  
box-shadow:4px 4px 4px 4px rgb(242, 218,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.7752, 71.4544, 42.1182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 218, 157) }
```

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

```
.background{ background-color: rgb(242,  
218, 157) }
```

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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