

# Converting Colors

XYZ(68.4217, 71.5812, 48.2401)

Have a look what the booklet for  
XYZ(68.4217, 71.5812, 48.2401)  
contains.

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# Color

**XYZ(68.6027, 71.7459,  
48.2628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1DAAA
RGB	241, 218, 170
RGB Percent	95%, 85%, 67%
CMY	0.0549, 0.1451, 0.3333
CMYK	0.00, 0.10, 0.29, 0.05
HSL	41°, 72%, 81%
HSV	41°, 29%, 95%
XYZ	68.6027, 71.7459, 48.2628
YIQ	219.4050, 29.1160, -10.0520

# Conversions

## Conversions Part 2

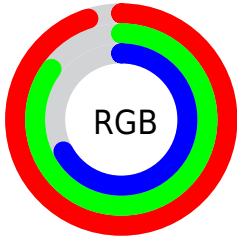
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 241, 170
Decimal	15850154
CIE <sub>Lab</sub>	87.85, 0.90, 26.55
CIE <sub>LCh</sub>	88, 26.568, 88.067
Yxy	71.7459, 0.3637, 0.3804
Android (android.graphics.Color)	4294040234 (0xFFFF1DAAA)
YUV	219.4050, -24.3567, 18.9388
Hunter-Lab	84.7030, -3.6593, 25.5093

# Details

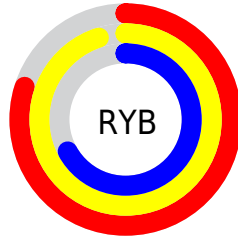
The XYZ color **68.6027, 71.7459, 48.2628** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.5242, 53.0352, 90.7403**, and the grayscale version is **67.7646, 71.2936, 77.6388**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **36.1344, 37.6927, 22.5105** is the 20% darker color. If you saturate the color by 10%, you get **64.5526, 66.9656, 36.6775**, and if you desaturate by 10%, it is **73.1698, 76.8906, 62.0839**.

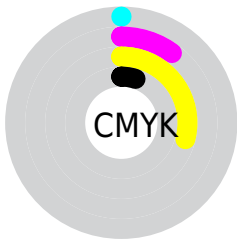
# Distribution



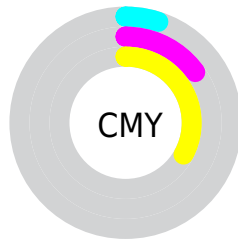
- Red (95%)
- Green (85%)
- Blue (67%)



- Red (80%)
- Yellow (95%)
- Blue (67%)



- Cyan (0%)
- Magenta (10%)
- Yellow (29%)
- Black (5%)




- Cyan (5%)
- Magenta (15%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6027, 71.7459, 48.2628 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 68.6027, 71.7459, 48.2628 by changing the saturation by 10% instead.





 68.6027, 71.7459,  
48.2628

 68.6027, 71.7459,  
48.2628


444.9718,  
466.6567, 396.3716

 50.6637, 52.9511,  
33.6736


 116.2511,  
121.6952, 88.9652

 36.1610, 37.7638,  
22.3676


146.6912,  
153.6185, 115.9154

 24.7292, 25.7994,  
13.9264


182.0291,  
190.6868, 147.8231

 16.0031, 16.6736,  
7.9313

222.6300,  
233.2845, 185.1067

 9.6172, 10.0021,  
3.9639

268.8594,  
281.7959, 228.1848

 5.2062, 5.4003,  
1.6056

321.0826,

 2.4048, 2.4840,

336.6055, 277.4760

0.2948

379.6649,  
398.0976, 333.3987

■ 0.8475, 0.8686,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.6027, 71.7459,  
48.2628

■ 68.6027, 71.7459,  
48.2628

■ 64.5526, 66.9656,  
36.6775

■ 73.1698, 76.8906,  
62.0839

■ 60.9898, 62.5281,  
27.2027

■ 78.2707, 82.4008,  
78.2479

■ 57.8897, 58.4241,  
19.7075

■ 83.9283, 88.2903,  
96.8606

■ 55.2232, 54.6396,  
14.0444

■ 88.2715, 93.8125,  
108.0630

■ 52.9569, 51.1592,  
10.0452

■ 90.0856, 97.4408,  
108.6677

■ 51.0515, 47.9648,  
7.5100

■ 49.4458, 45.0297,  
6.1229

■ 49.3637, 44.8769,  
6.0604

# Harmonies

## Analogous

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



74.8186, 71.7459, 52.1667



68.6027, 71.7459, 48.2628



62.6372, 71.7459, 51.2757

# Triad

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



68.6027, 71.7459, 48.2628



58.0291, 71.7459, 95.6502



79.0252, 71.7459, 97.9942

# Complementary

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



68.6027, 71.7459, 48.2628



51.5242, 53.0352, 90.7403

# 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.



74.0666, 71.7459, 112.9983



68.6027, 71.7459, 48.2628



61.9693, 71.7459, 111.5047

# Square

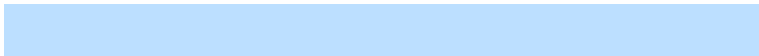
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6027, 71.7459, 48.2628



56.7622, 71.7459, 76.9520



67.7836, 71.7459, 118.2842



81.0622, 71.7459, 79.2979



# Rectangle

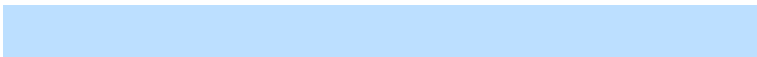
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6027, 71.7459, 48.2628



59.5521, 71.7459, 57.1082



67.7836, 71.7459, 118.2842



77.6303, 71.7459, 103.7389

# Sweetspot

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



68.6045, 71.7492, 48.2643



89.2471, 93.9581, 89.8131



60.3511, 51.3311, 57.5707



18.9122, 19.9089, 18.6094



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.



68.6045, 71.7492, 48.2643



75.3222, 78.4484, 47.1284



71.0776, 82.4985, 50.2088



16.6663, 17.5457, 16.6580



26.8965, 24.5910, 3.3289



2.3274, 2.2255, 0.3069



# Inverse Universe

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



51.5242, 53.0352, 90.7403



53.1614, 54.1758, 102.2628



49.5047, 45.0260, 89.3008



15.3152, 16.0646, 20.0152



10.1976, 6.6195, 45.8681



0.9353, 0.7246, 3.8448



# Previews

## White Background



This preview shows how the XYZ color 68.6027, 71.7459, 48.2628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

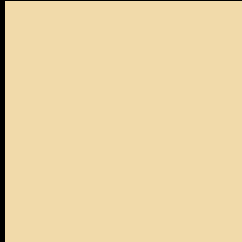
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.6027, 71.7459, 48.2628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

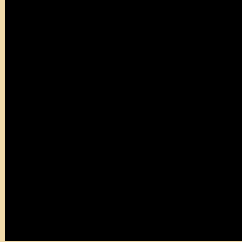
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.6027, 71.7459, 48.2628**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.6027, 71.7459, 48.2628.



This preview shows how white text looks on a background with the XYZ color 68.6027, 71.7459,



# 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

68.6027, 71.7459, 48.2628

### Protanopia

67.2048, 71.7888, 48.8426

### Deuteranopia

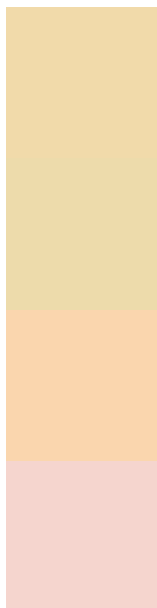
72.6200, 71.4816, 51.0441



## Tritanopia

75.6231, 71.5957, 82.5066

# Trichromacy



## Original Color

68.6027, 71.7459, 48.2628

## Protanomaly

67.6073, 71.6078, 48.7865

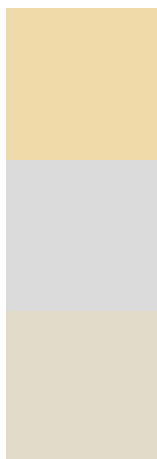
## Deuteranomaly

71.1109, 71.4731, 50.0921

## Tritanomaly

72.5910, 71.4572, 68.3592

# Monochromacy



## Original Color

68.6027, 71.7459, 48.2628

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.5527, 71.2110, 65.4430

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6027, 71.7459, 48.2628 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(241, 218, 170)` looks like.

```
.text, #text, p{  
    color:rgb(241, 218, 170)  
}
```

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(241, 218, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 218, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6027, 71.7459, 48.2628 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(241, 218, 170) }
```



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

```
.border{ border-color:rgb(241, 218, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 218, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 218, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 218, 170);  
box-shadow:4px 4px 4px 4px rgb(241, 218,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6027, 71.7459, 48.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 218, 170) }
```

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

```
.background{ background-color: rgb(241,  
218, 170) }
```

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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