

# Converting Colors

XYZ(70.3861, 69.1189, 43.8101)

Have a look what the booklet for  
XYZ(70.3861, 69.1189, 43.8101)  
contains.

**XYZ(70.3175, 68.9804, 43.7908) ..... 3**  
    ***Conversions* ..... 4**  
    ***Details* ..... 6**  
    ***Harmonies* ..... 12**  
    ***Previews* ..... 24**  
    ***Color Blindness Simulation* ..... 28**  
    ***CSS Examples* ..... 31**

# Color

**XYZ(70.3175, 68.9804,  
43.7908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD0A2
RGB	255, 208, 162
RGB Percent	100%, 82%, 64%
CMY	0.0000, 0.1843, 0.3647
CMYK	0.00, 0.18, 0.36, 0.00
HSL	30°, 100%, 82%
HSV	30°, 36%, 100%
XYZ	70.3175, 68.9804, 43.7908
YIQ	216.8090, 42.7780, -4.3420

# Conversions

## Conversions Part 2

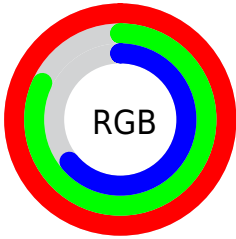
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 253, 162
Decimal	16765090
CIE <sub>Lab</sub>	86.49, 10.43, 29.09
CIE <sub>LCh</sub>	86, 30.899, 70.274
Yxy	68.9804, 0.3841, 0.3768
Android (android.graphics.Color)	4294955170 (0xFFFFD0A2)
YUV	216.8090, -27.0208, 33.4935
Hunter-Lab	83.0544, 5.7806, 26.8772

# Details

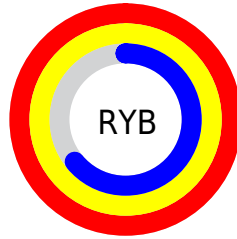
The XYZ color **70.3175, 68.9804, 43.7908** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.7500, 60.5002, 103.3471**, and the grayscale version is **65.9827, 69.4189, 75.5972**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **37.3960, 36.1073, 19.7503** is the 20% darker color. If you saturate the color by 10%, you get **65.2619, 62.1363, 32.0338**, and if you desaturate by 10%, it is **76.0914, 76.5253, 58.0563**.

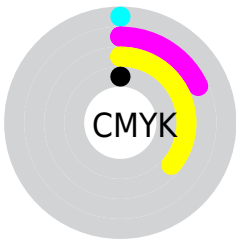
# Distribution



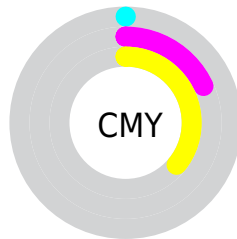
- Red (100%)
- Green (82%)
- Blue (64%)



- Red (100%)
- Yellow (99%)
- Blue (64%)



- Cyan (0%)
- Magenta (18%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (18%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3175, 68.9804, 43.7908 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 70.3175, 68.9804, 43.7908 by changing the saturation by 10% instead.




 70.3175, 68.9804,  
43.7908


 70.3175, 68.9804,  
43.7908


450.9131,  
456.9618, 377.8702

 52.0659, 50.6957,  
30.1701


 118.6852,  
117.7536, 82.2020

 37.2821, 35.9665,  
19.7146


 149.5321,  
149.0109, 107.8295

 25.6007, 24.4083,  
12.0057


185.3081,  
185.3612, 138.2964

 16.6563, 15.6368,  
6.6250

226.3787,  
227.1890, 174.0212

 10.0835, 9.2675,  
3.1538

273.1091,  
274.8785, 215.4225

 5.5170, 4.9161,  
1.1737

325.8647,

 2.5915, 2.1981,

328.8142, 262.9187

0.0000

385.0109,  
389.3805, 316.9284

■ 0.9416, 0.7190,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.3175, 68.9804,  
43.7908

■ 70.3175, 68.9804,  
43.7908

■ 65.2619, 62.1363,  
32.0338

■ 76.0914, 76.5253,  
58.0563

■ 60.8855, 55.9601,  
22.6318

■ 82.6100, 84.7833,  
74.9628

■ 57.1528, 50.4301,  
15.4209

■ 89.9043, 93.7783,  
94.6385

■ 54.0222, 45.5193,  
10.2140

95.0500, 100.0000,  
108.9000

■ 51.4456, 41.1975,  
6.7920

■ 49.3645, 37.4300,  
4.8814

■ 48.7193, 36.2186,  
4.4231

# Harmonies

## Analogous

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



76.6297, 68.9804, 52.4095



70.3175, 68.9804, 43.7908



63.1407, 68.9804, 42.6285

# Triad

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



70.3175, 68.9804, 43.7908



52.9378, 68.9804, 82.3562



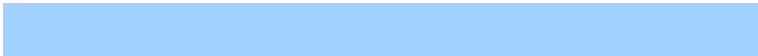
74.8649, 68.9804, 109.3558

# Complementary

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



70.3175, 68.9804, 43.7908



55.7500, 60.5002, 103.3471

# 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.



68.0481, 68.9804, 120.9268



70.3175, 68.9804, 43.7908



55.6180, 68.9804, 103.5639

# Square

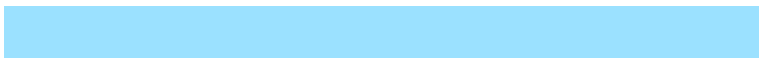
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3175, 68.9804, 43.7908



53.4482, 68.9804, 62.5794



61.0293, 68.9804, 118.6332



79.3845, 68.9804, 89.2060



# Rectangle

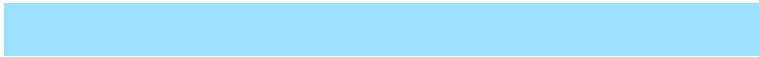
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3175, 68.9804, 43.7908



58.8702, 68.9804, 45.9620



61.0293, 68.9804, 118.6332



72.7465, 68.9804, 114.5300

# Sweetspot

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



70.3192, 68.9836, 43.7922



86.5020, 89.6108, 85.3743



65.7998, 51.7570, 67.5281



18.3038, 18.9198, 17.7045



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.



70.3192, 68.9836, 43.7922



66.4463, 63.7642, 34.7129



83.0293, 94.4037, 48.0289



18.7515, 19.4712, 18.9143



25.6058, 19.2228, 2.3608

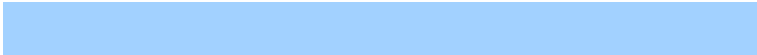


2.6022, 2.0898, 0.2662

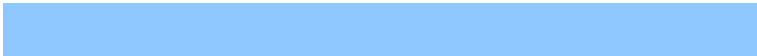


# Inverse Universe

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



55.7500, 60.5002, 103.3471



49.8810, 54.1175, 102.4245



46.1460, 41.2923, 100.1458



17.7617, 18.8949, 22.9609



13.6732, 12.2559, 51.0796



1.4406, 1.4119, 5.0099



# Previews

## White Background



This preview shows how the XYZ color 70.3175, 68.9804, 43.7908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

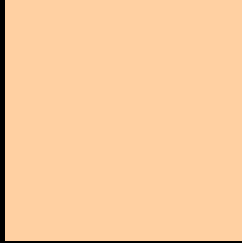
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.3175, 68.9804, 43.7908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

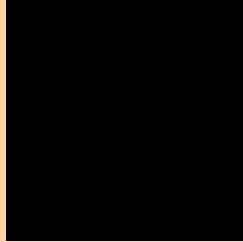
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.3175, 68.9804, 43.7908**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.3175, 68.9804, 43.7908.



This preview shows how white text looks on a background with the XYZ color 70.3175, 68.9804,

43.7908.

# 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

70.3175, 68.9804, 43.7908

### Protanopia

64.7175, 69.0207, 45.9877

### Deuteranopia

70.4067, 69.0161, 44.2609



## Tritanopia

74.9906, 68.9297, 74.3181

# Trichromacy



## Original Color

70.3175, 68.9804, 43.7908

## Protanomaly

66.5210, 68.8304, 45.3769

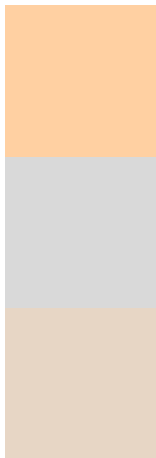
## Deuteranomaly

70.4067, 69.0161, 44.2609

## Tritanomaly

73.0351, 68.9082, 61.6758

# Monochromacy



## Original Color

70.3175, 68.9804, 43.7908

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

67.0796, 69.1133, 62.6280

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3175, 68.9804, 43.7908 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(255, 208, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 162)  
}
```

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(255, 208, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3175, 68.9804, 43.7908 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(255, 208, 162) }
```



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

```
.border{ border-color:rgb(255, 208, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3175, 68.9804, 43.7908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 162) }
```

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

```
.background{ background-color: rgb(255,  
208, 162) }
```

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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