

Converting Colors

XYZ(163.7292, 117.2611,
46.6766)

Have a look what the booklet for
XYZ(163.7292, 117.2611, 46.6766)
contains.

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Color

**XYZ(70.0539, 68.8750,
42.4028)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD09F
RGB	255, 208, 159
RGB Percent	100%, 82%, 62%
CMY	0.0000, 0.1843, 0.3765
CMYK	0.00, 0.18, 0.38, 0.00
HSL	31°, 100%, 81%
HSV	31°, 38%, 100%
XYZ	70.0539, 68.8750, 42.4028
YIQ	216.4670, 43.7410, -5.2750

Conversions

Conversions Part 2

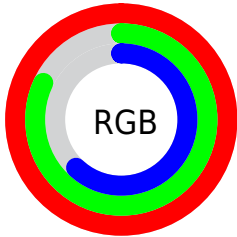
Format	Color
R_{YB}	251, 255, 159
Decimal	16765087
CIE _{Lab}	86.44, 10.09, 30.57
CIE _{LCh}	86, 32.194, 71.738
Yxy	68.8750, 0.3863, 0.3798
Android (android.graphics.Color)	4294955167 (0xFFFFD09F)
YUV	216.4670, -28.3312, 33.7934
Hunter-Lab	82.9910, 5.4403, 27.8005

Details

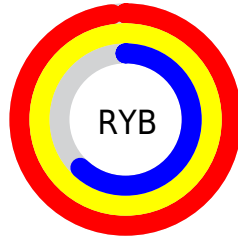
The XYZ color **70.0539, 68.8750, 42.4028** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.4186, 58.7314, 103.0759**, and the grayscale version is **65.7568, 69.1813, 75.3384**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **37.2354, 36.0431, 18.9044** is the 20% darker color. If you saturate the color by 10%, you get **65.1411, 62.2327, 30.9513**, and if you desaturate by 10%, it is **75.6663, 76.1855, 56.3409**.

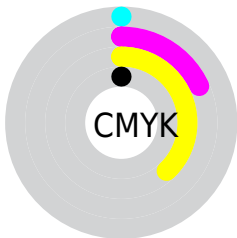
Distribution



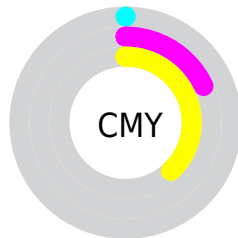
- Red (100%)
- Green (82%)
- Blue (62%)



- Red (98%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (18%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0539, 68.8750, 42.4028 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 70.0539, 68.8750, 42.4028 by changing the saturation by 10% instead.


 70.0539, 68.8750,
42.4028

 70.0539, 68.8750,
42.4028


450.0027,
456.5900, 371.9988

 51.8502, 50.6099,
29.0889


 118.3115,
117.6030, 80.0855

 37.1095, 35.8983,
18.9019


 149.0961,
148.8347, 105.2915

 25.4663, 24.3556,
11.4233


184.8050,
185.1575, 135.2985

 16.5554, 15.5976,
6.2346

225.8037,
226.9556, 170.5251

 10.0114, 9.2399,
2.9172

272.4575,
274.6135, 211.3899

 5.4688, 4.8980,
1.0525

325.1317,

 2.5624, 2.1875,

328.5156, 258.3115

0.0000

384.1916,
389.0463, 311.7082

0.9268, 0.7132,
0.0000

0.0000, 0.0000,
0.0000

70.0539, 68.8750,
42.4028

70.0539, 68.8750,
42.4028

65.1411, 62.2327,
30.9513

75.6663, 76.1855,
56.3409

60.8888, 56.2266,
21.8315

82.0041, 84.1754,
72.8993

57.2617, 50.8360,
14.8774

89.0983, 92.8678,
92.2072

54.2183, 46.0348,
9.8991

95.0500, 100.0000,
108.9000

■ 51.7101, 41.7939,
6.6729

■ 49.6754, 38.0782,
4.9040

■ 49.2455, 37.2709,
4.5985

Harmonies

Analogous

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



76.7400, 68.8750, 50.8722



70.0539, 68.8750, 42.4028



62.5937, 68.8750, 41.5822

Triad

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



70.0539, 68.8750, 42.4028



52.4214, 68.8750, 83.6485



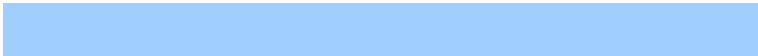
75.4660, 68.8750, 109.9435

Complementary

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



70.0539, 68.8750, 42.4028



54.4186, 58.7314, 103.0759

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.



68.4199, 68.8750, 122.7345



70.0539, 68.8750, 42.4028



55.3498, 68.8750, 105.7393

Square

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



70.0539, 68.8750, 42.4028



52.7859, 68.8750, 62.8628



61.0784, 68.8750, 121.0646



80.0242, 68.8750, 88.5915

Rectangle

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



70.0539, 68.8750, 42.4028



58.2168, 68.8750, 45.2447



61.0784, 68.8750, 121.0646



73.2882, 68.8750, 115.5541

Sweetspot

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



70.0556, 68.8782, 42.4042



86.6332, 89.8732, 85.4181



64.9010, 50.5619, 65.3708



18.3350, 18.9823, 17.7149



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.



70.0556, 68.8782, 42.4042



66.3758, 63.9282, 33.7487



83.2581, 95.2832, 46.8050



18.7760, 19.5202, 18.9225



25.8818, 19.7748, 2.4528



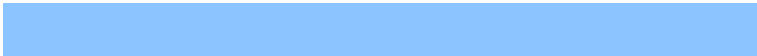
2.6294, 2.1441, 0.2753

Inverse Universe

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



54.4186, 58.7314, 103.0759



48.7428, 52.4881, 102.1699



44.7469, 39.3880, 99.8520



17.7372, 18.8459, 22.9527



13.4006, 11.7108, 50.9887



1.4137, 1.3582, 5.0009

Previews

White Background



This preview shows how the XYZ color 70.0539, 68.8750, 42.4028 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 70.0539, 68.8750, 42.4028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

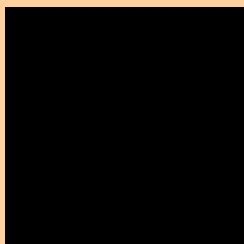
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0539, 68.8750, 42.4028

Background



This preview shows how black text looks on a background with the XYZ color 70.0539, 68.8750, 42.4028.



This preview shows how white text looks on a background with the XYZ color 70.0539, 68.8750,

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

70.0539, 68.8750, 42.4028

Protanopia

64.4454, 68.9119, 44.5550

Deuteranopia

70.2289, 68.9450, 43.3245



Tritanopia

74.9906, 68.9297, 74.3181

Trichromacy



Original Color

70.0539, 68.8750, 42.4028

Protanomaly

66.2510, 68.7224, 43.9554

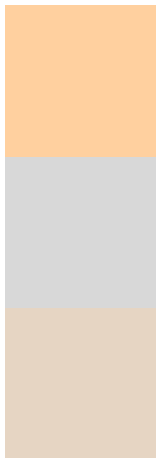
Deuteranomaly

70.1410, 68.9098, 42.8618

Tritanomaly

72.9216, 68.8628, 61.0782

Monochromacy



Original Color

70.0539, 68.8750, 42.4028

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.2777, 68.3516, 61.3297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0539, 68.8750, 42.4028 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 159) }
```

Border

The CSS property to change the border of an element to XYZ 70.0539, 68.8750, 42.4028 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, 159) }
```


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

```
.border{ border-color:rgb(255, 208, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0539, 68.8750, 42.4028 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
208, 159) }
```

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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