

Converting Colors

XYZ(73.0323, 70.8111, 40.4204)

Have a look what the booklet for
XYZ(73.0323, 70.8111, 40.4204)
contains.

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Color

**XYZ(69.8732, 69.1940,
40.2449)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD19A
RGB	255, 209, 154
RGB Percent	100%, 82%, 60%
CMY	0.0000, 0.1804, 0.3961
CMYK	0.00, 0.18, 0.40, 0.00
HSL	33°, 100%, 80%
HSV	33°, 40%, 100%
XYZ	69.8732, 69.1940, 40.2449
YIQ	216.4840, 45.0710, -7.3530

Conversions

Conversions Part 2

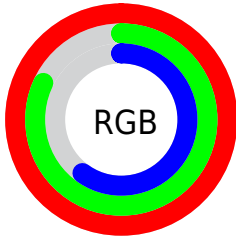
Format	Color
R _Y B	238, 255, 154
Decimal	16765338
CIE Lab	86.60, 9.02, 33.37
CIE LCh	87, 34.563, 74.874
Yxy	69.1940, 0.3897, 0.3859
Android (android.graphics.Color)	4294955418 (0xFFFFD19A)
YUV	216.4840, -30.8046, 33.7785
Hunter-Lab	83.1829, 4.3689, 29.5428

Details

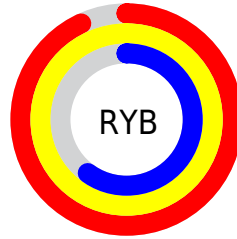
The XYZ color **69.8732, 69.1940, 40.2449** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.0300, 55.3967, 102.5581**, and the grayscale version is **65.7841, 69.2100, 75.3697**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **37.1456, 36.2723, 17.6138** is the 20% darker color. If you saturate the color by 10%, you get **65.2252, 62.9434, 29.3073**, and if you desaturate by 10%, it is **75.1835, 76.0469, 53.6304**.

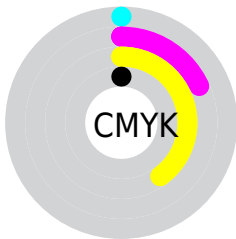
Distribution



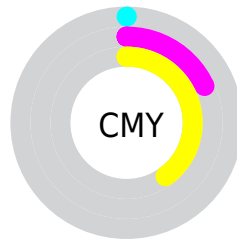
- Red (100%)
- Green (82%)
- Blue (60%)



- Red (93%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (18%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8732, 69.1940, 40.2449 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 69.8732, 69.1940, 40.2449 by changing the saturation by 10% instead.


 69.8732, 69.1940,
40.2449


 69.8732, 69.1940,
40.2449


449.3780,
457.7149, 362.7374

 51.7024, 50.8697,
27.4143


 118.0552,
118.0586, 76.7775

 36.9912, 36.1049,
17.6494


 148.7970,
149.3678, 101.3165

 25.3743, 24.5153,
10.5318

184.4600,
185.7740, 130.5954

 16.4864, 15.7163,
5.6427

225.4093,
227.6616, 165.0328

 9.9620, 9.3236,
2.5638

272.0104,
275.4152, 205.0472

 5.4358, 4.9529,
0.8737

324.6287,

 2.5426, 2.2196,

329.4190, 251.0570

0.0000

383.6294,
390.0574, 303.4809

■ 0.9168, 0.7307,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.8732, 69.1940,
40.2449

■ 69.8732, 69.1940,
40.2449

■ 65.2252, 62.9434,
29.3073

■ 75.1835, 76.0469,
53.6304

■ 61.2012, 57.2652,
20.6601

■ 81.1814, 83.5114,
69.5994

■ 57.7661, 52.1404,
14.1340

■ 87.8972, 91.6088,
88.2826

■ 54.8785, 47.5452,
9.5338

95.0500, 100.0000,
108.9000

■ 52.4897, 43.4521,
6.6275

■ 50.5262, 39.8237,
5.0525

■ 50.4546, 39.6892,
5.0015

Harmonies

Analogous

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



77.3106, 69.1940, 48.2807



69.8732, 69.1940, 40.2449



61.8876, 69.1940, 40.2117

Triad

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



69.8732, 69.1940, 40.2449



51.9611, 69.1940, 87.2541



77.2570, 69.1940, 111.1690

Complementary

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



69.8732, 69.1940, 40.2449



52.0300, 55.3967, 102.5581

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.



69.8048, 69.1940, 126.5889



69.8732, 69.1940, 40.2449



55.4334, 69.1940, 110.9905

Square

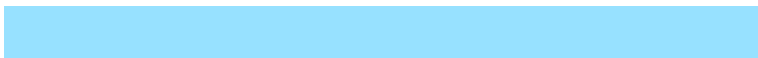
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8732, 69.1940, 40.2449



51.9762, 69.1940, 64.3943



61.8246, 69.1940, 126.5177



81.8036, 69.1940, 87.4618

Rectangle

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



69.8732, 69.1940, 40.2449



57.3384, 69.1940, 44.6075



61.8246, 69.1940, 126.5177



74.9832, 69.1940, 117.6887

Sweetspot

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



69.8749, 69.1973, 40.2463



86.2234, 89.6127, 83.5583



63.3543, 48.5952, 61.3819



18.2636, 18.9509, 17.3474



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.



69.8749, 69.1973, 40.2463



65.9294, 63.9091, 30.9065



81.6051, 94.4802, 44.5082



18.8292, 19.6266, 18.9402



26.5149, 21.0410, 2.6638



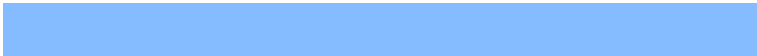
2.6909, 2.2672, 0.2958

Inverse Universe

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



52.0300, 55.3967, 102.5581



45.7157, 48.2858, 101.5184



43.5826, 37.5371, 99.5560



17.6844, 18.7404, 22.9351



12.8473, 10.6041, 50.8043



1.3584, 1.2476, 4.9825

Previews

White Background



This preview shows how the XYZ color 69.8732, 69.1940, 40.2449 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 69.8732, 69.1940, 40.2449 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 69.8732, 69.1940, 40.2449

Background



This preview shows how black text looks on a background with the XYZ color 69.8732, 69.1940, 40.2449.



This preview shows how white text looks on a background with the XYZ color 69.8732, 69.1940,

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

69.8732, 69.1940, 40.2449

Protanopia

64.5029, 69.3837, 41.8910

Deuteranopia

70.3856, 69.3990, 42.9433



Tritanopia

74.9906, 68.9297, 74.3181

Trichromacy



Original Color

69.8732, 69.1940, 40.2449

Protanomaly

66.3229, 69.1942, 41.3127

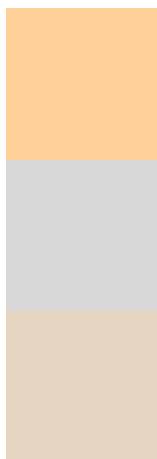
Deuteranomaly

70.2120, 69.3296, 42.0291

Tritanomaly

72.6970, 68.7729, 59.8950

Monochromacy



Original Color

69.8732, 69.1940, 40.2449

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.0530, 68.2617, 60.1465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8732, 69.1940, 40.2449 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, 209, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 154)  
}
```

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, 209, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 154) }
```

Border

The CSS property to change the border of an element to XYZ 69.8732, 69.1940, 40.2449 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, 209, 154) }
```


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

```
.border{ border-color:rgb(255, 209, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 209, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 209, 154); box-shadow:4px 4px 4px 4px rgb(255, 209, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8732, 69.1940, 40.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 154) }
```

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

```
.background{ background-color: rgb(255,  
209, 154) }
```

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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