

Converting Colors

XYZ(73.7476, 71.4982, 40.6833)

Have a look what the booklet for
XYZ(73.7476, 71.4982, 40.6833)
contains.

XYZ(70.1193, 69.6863, 40.3270)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.1193, 69.6863,
40.3270)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD29A
RGB	255, 210, 154
RGB Percent	100%, 82%, 60%
CMY	0.0000, 0.1764, 0.3961
CMYK	0.00, 0.18, 0.40, 0.00
HSL	33°, 100%, 80%
HSV	33°, 40%, 100%
XYZ	70.1193, 69.6863, 40.3270
YIQ	217.0710, 44.7960, -7.8760

Conversions

Conversions Part 2

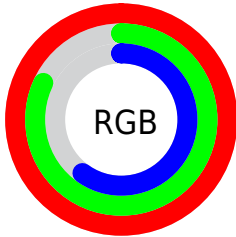
Format	Color
R _Y B	235, 255, 154
Decimal	16765594
CIE Lab	86.84, 8.50, 33.69
CIE LCh	87, 34.743, 75.835
Yxy	69.6863, 0.3893, 0.3869
Android (android.graphics.Color)	4294955674 (0xFFFFD29A)
YUV	217.0710, -31.0940, 33.2637
Hunter-Lab	83.4783, 3.8476, 29.7928

Details

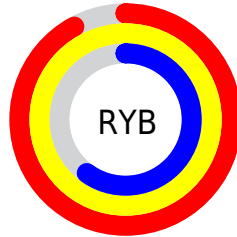
The XYZ color **70.1193, 69.6863, 40.3270** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.7991, 54.9349, 102.4809**, and the grayscale version is **66.1885, 69.6354, 75.8330**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **37.3127, 36.6066, 17.6696** is the 20% darker color. If you saturate the color by 10%, you get **65.5116, 63.5162, 29.4028**, and if you desaturate by 10%, it is **75.3808, 76.4416, 53.6962**.

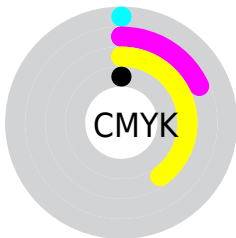
Distribution



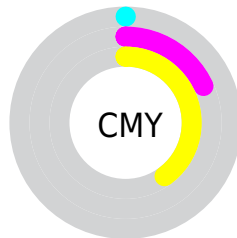
- Red (100%)
- Green (82%)
- Blue (60%)



- Red (92%)
- 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 70.1193, 69.6863, 40.3270 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 70.1193, 69.6863, 40.3270 by changing the saturation by 10% instead.


 70.1193, 69.6863,
40.3270


 70.1193, 69.6863,
40.3270

450.2287,
459.4478, 363.0929

 51.9037, 51.2708,
27.4779


 118.4042,
118.7613, 76.9037

 37.1523, 36.4242,
17.6968

 149.2043,
150.1896, 101.4684

 25.4997, 24.7620,
10.5654


184.9299,
186.7243, 130.7753

 16.5804, 15.8998,
5.6649

225.9464,
228.7498, 165.2431

 10.0292, 9.4533,
2.5769

272.6192,
276.6505, 205.2902

 5.4808, 5.0380,
0.8805

325.3136,

 2.5696, 2.2696,

330.8108, 251.3351

0.0000

384.3950,
391.6151, 303.7965

■ 0.9305, 0.7575,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.1193, 69.6863,
40.3270

■ 70.1193, 69.6863,
40.3270

■ 65.5116, 63.5162,
29.4028

■ 75.3808, 76.4416,
53.6962

■ 61.5194, 57.9017,
20.7663

■ 81.3211, 83.7909,
69.6461

■ 58.1083, 52.8249,
14.2481

■ 87.9701, 91.7547,
88.3070

■ 55.2370, 48.2622,
9.6533

95.0499, 100.0000,
108.9000

■ 52.8572, 44.1871,
6.7501

■ 50.8957, 40.5627,
5.1757

■ 50.8240, 40.4281,
5.1247

Harmonies

Analogous

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



77.6884, 69.6863, 48.1687



70.1193, 69.6863, 40.3270



62.0755, 69.6863, 40.5482

Triad

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



70.1193, 69.6863, 40.3270



52.3536, 69.6863, 88.7091



78.0459, 69.6863, 111.3863

Complementary

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



70.1193, 69.6863, 40.3270



51.7991, 54.9349, 102.4809

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.



70.5758, 69.6863, 127.3814



70.1193, 69.6863, 40.3270



55.9661, 69.6863, 112.5780

Square

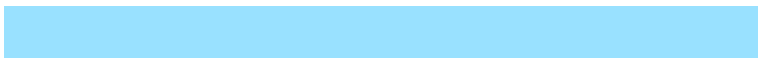
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1193, 69.6863, 40.3270



52.2533, 69.6863, 65.4771



62.4964, 69.6863, 127.8573



82.5111, 69.6863, 87.3227

Rectangle

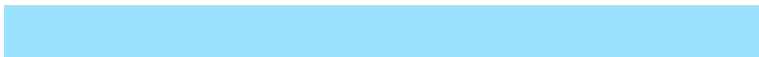
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1193, 69.6863, 40.3270



57.5292, 69.6863, 45.1578



62.4964, 69.6863, 127.8573



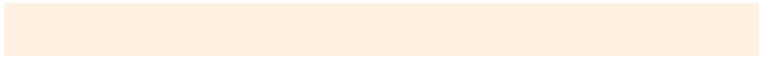
75.7770, 69.6863, 118.0825

Sweetspot

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



70.1210, 69.6896, 40.3284



86.3132, 89.7923, 83.5882



63.1571, 48.5163, 60.3436



18.2847, 18.9932, 17.3545



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.



70.1210, 69.6896, 40.3284



66.2099, 64.4701, 31.0000



80.9992, 94.1677, 44.4798



18.8447, 19.6575, 18.9454



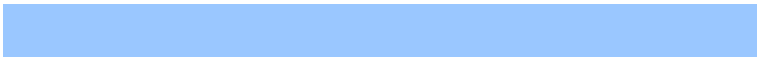
26.7080, 21.4273, 2.7282



2.7095, 2.3044, 0.3020

Inverse Universe

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



51.7991, 54.9349, 102.4809



45.4572, 47.7689, 101.4322



43.9143, 37.7081, 99.5714



17.6691, 18.7099, 22.9301



12.6957, 10.3010, 50.7537



1.3431, 1.2169, 4.9774

Previews

White Background



This preview shows how the XYZ color 70.1193, 69.6863, 40.3270 looks on a white background.

Color Contrast Check

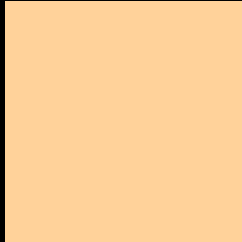
Large Text (above 18pt) WCAG AA × Fail

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 70.1193, 69.6863, 40.3270 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 70.1193, 69.6863, 40.3270

Background



This preview shows how black text looks on a background with the XYZ color 70.1193, 69.6863, 40.3270.



This preview shows how white text looks on a background with the XYZ color 70.1193, 69.6863,

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

70.1193, 69.6863, 40.3270

Protanopia

64.8303, 69.5525, 41.9063

Deuteranopia

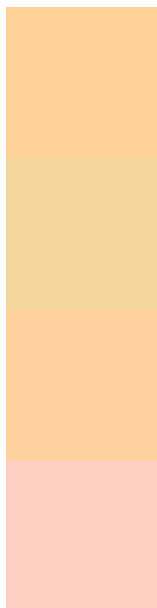
70.5621, 69.4696, 43.8724



Tritanopia

75.3573, 69.4555, 75.0801

Trichromacy



Original Color

70.1193, 69.6863, 40.3270

Protanomaly

66.6653, 69.3707, 41.3287

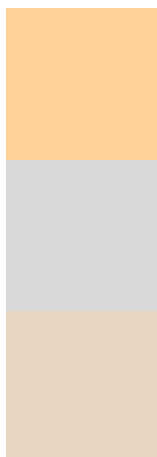
Deuteranomaly

70.2985, 69.3641, 42.4844

Tritanomaly

73.0489, 69.2977, 60.5646

Monochromacy



Original Color

70.1193, 69.6863, 40.3270

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.7392, 68.9771, 60.8353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1193, 69.6863, 40.3270 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, 210, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 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, 210, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 154) }
```

Border

The CSS property to change the border of an element to XYZ 70.1193, 69.6863, 40.3270 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, 210, 154) }
```


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

```
.border{ border-color:rgb(255, 210, 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, 210, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1193, 69.6863, 40.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 154) }
```

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

```
.background{ background-color: rgb(255,  
210, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor