

Converting Colors

XYZ(103.7705, 88.4525,
36.1157)

Have a look what the booklet for
XYZ(103.7705, 88.4525, 36.1157)
contains.

XYZ(69.6945, 70.7126, 34.4017)	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(69.6945, 70.7126,
34.4017)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD58B
RGB	255, 213, 139
RGB Percent	100%, 84%, 55%
CMY	0.0000, 0.1647, 0.4549
CMYK	0.00, 0.16, 0.45, 0.00
HSL	38°, 100%, 77%
HSV	38°, 45%, 100%
XYZ	69.6945, 70.7126, 34.4017
YIQ	217.1220, 48.7860, -14.1100

Conversions

Conversions Part 2

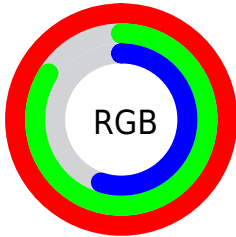
Format	Color
R _Y B	205, 255, 139
Decimal	16766347
CIE Lab	87.35, 5.42, 41.96
CIE LCh	87, 42.312, 82.637
Yxy	70.7126, 0.3987, 0.4045
Android (android.graphics.Color)	4294956427 (0xFFFFD58B)
YUV	217.1220, -38.5141, 33.2190
Hunter-Lab	84.0908, 0.7821, 34.6079

Details

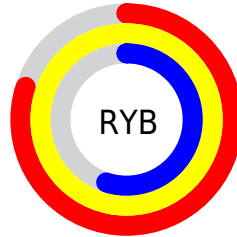
The XYZ color **69.6945, 70.7126, 34.4017** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.2208, 45.7551, 101.0559**, and the grayscale version is **66.2709, 69.7222, 75.9275**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **36.8834, 37.2202, 14.2571** is the 20% darker color. If you saturate the color by 10%, you get **65.7884, 65.5425, 24.9550**, and if you desaturate by 10%, it is **74.1708, 76.3276, 46.1837**.

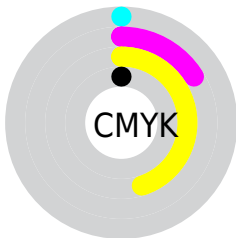
Distribution



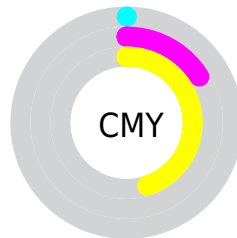
- Red (100%)
- Green (84%)
- Blue (55%)



- Red (80%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (16%)
- Yellow (45%)
- Black (0%)





- Cyan (0%)
- Magenta (16%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.6945, 70.7126, 34.4017 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 69.6945, 70.7126, 34.4017 by changing the saturation by 10% instead.


 69.6945, 70.7126,
34.4017


 69.6945, 70.7126,
34.4017


448.7598,
463.0481, 336.7432


 51.5562, 52.1077,
22.9225


 117.8016,
120.2244, 67.6989

 36.8743, 37.0909,
14.3315


 148.5012,
151.9001, 90.3540

 25.2834, 25.2779,
8.2102


 184.1185,
188.7015, 117.5714

 16.4182, 16.2842,
4.1401

225.0191,
231.0130, 149.7698

 9.9133, 9.7255,
1.7025

271.5681,
279.2191, 187.3676

 5.4033, 5.2173,
0.3624

324.1310,

 2.5230, 2.3753,

333.7040, 230.7834

0.0000

383.0731,
394.8522, 280.4358

■ 0.9069, 0.8132,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.6945, 70.7126,
34.4017

■ 69.6945, 70.7126,
34.4017

■ 65.7884, 65.5425,
24.9550

■ 74.1708, 76.3276,
46.1837

■ 62.4145, 60.7906,
17.6772

■ 79.2420, 82.3928,
60.4434

■ 59.5377, 56.4420,
12.3865

■ 84.9372, 88.9259,
77.3166

■ 57.1151, 52.4759,
8.8690

■ 91.2821, 95.9402,
96.9281

■ 55.0944, 48.8675, 95.0500, 100.0000,
6.8607 108.9000

■ 54.2813, 47.3427,
6.2771

Harmonies

Analogous

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



79.5155, 70.7126, 41.1092



69.6945, 70.7126, 34.4017



60.1049, 70.7126, 36.6545

Triad

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



69.6945, 70.7126, 34.4017



51.0381, 70.7126, 100.0939



83.6105, 70.7126, 115.3071

Complementary

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



69.6945, 70.7126, 34.4017



45.2208, 45.7551, 101.0559

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.



74.8545, 70.7126, 139.5239



69.6945, 70.7126, 34.4017



56.2448, 70.7126, 129.3349

Square

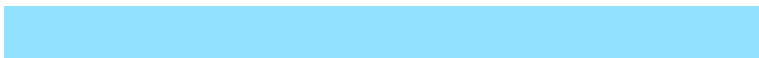
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6945, 70.7126, 34.4017



49.9493, 70.7126, 70.1768



64.7857, 70.7126, 145.2081



88.0497, 70.7126, 84.2390

Rectangle

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



69.6945, 70.7126, 34.4017



55.0543, 70.7126, 43.2819



64.7857, 70.7126, 145.2081



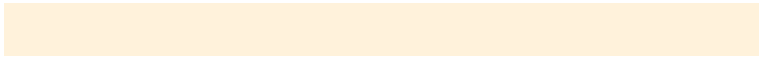
81.0354, 70.7126, 124.8039

Sweetspot

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



69.6962, 70.7159, 34.4031



85.8405, 89.9398, 80.0609



58.8684, 43.0841, 49.2176



18.0943, 18.9372, 16.2896



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.



69.6962, 70.7159, 34.4031



65.9670, 65.7857, 25.3654



76.1973, 91.8278, 38.1355



18.9758, 19.9198, 18.9891



28.5100, 25.0313, 3.3289



2.8797, 2.6449, 0.3587

Inverse Universe

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



45.2208, 45.7551, 101.0559



38.6371, 37.9473, 99.8959



40.6987, 32.6020, 98.7554



17.5413, 18.4542, 22.8874



11.5742, 8.0580, 50.3799



1.2263, 0.9832, 4.9384

Previews

White Background



This preview shows how the XYZ color 69.6945, 70.7126, 34.4017 looks on a white background.

Color Contrast Check

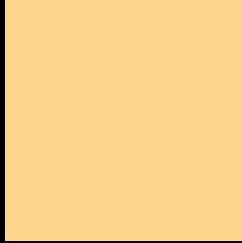
Large Text (above 18pt) WCAG AA × Fail

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 69.6945, 70.7126, 34.4017 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 69.6945, 70.7126, 34.4017

Background



This preview shows how black text looks on a background with the XYZ color 69.6945, 70.7126, 34.4017.



This preview shows how white text looks on a background with the XYZ color 69.6945, 70.7126,

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

69.6945, 70.7126, 34.4017

Protanopia

65.3991, 70.7633, 35.4111

Deuteranopia

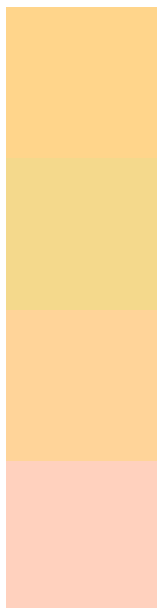
71.2165, 70.9202, 43.6537



Tritanopia

76.0975, 70.5171, 76.6182

Trichromacy



Original Color

69.6945, 70.7126, 34.4017

Protanomaly

66.8547, 70.7523, 34.9439

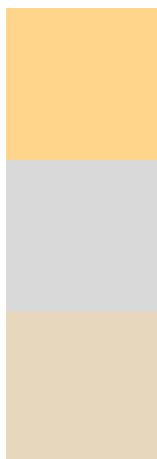
Deuteranomaly

70.5333, 70.6469, 40.0557

Tritanomaly

73.3347, 70.5786, 58.4731

Monochromacy



Original Color

69.6945, 70.7126, 34.4017

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.6962, 69.7748, 58.0967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6945, 70.7126, 34.4017 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, 213, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 139)  
}
```

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, 213, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 139) }
```

Border

The CSS property to change the border of an element to XYZ 69.6945, 70.7126, 34.4017 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, 213, 139) }
```


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

```
.border{ border-color:rgb(255, 213, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6945, 70.7126, 34.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 139) }
```

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

```
.background{ background-color: rgb(255,  
213, 139) }
```

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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