

Converting Colors

XYZ(129.3359, 100.0000,
39.4443)

Have a look what the booklet for
XYZ(129.3359, 100.0000, 39.4443)
contains.

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Color

**XYZ(69.1513, 68.9053,
36.4434)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD191
RGB	255, 209, 145
RGB Percent	100%, 82%, 57%
CMY	0.0000, 0.1804, 0.4314
CMYK	0.00, 0.18, 0.43, 0.00
HSL	35°, 100%, 78%
HSV	35°, 43%, 100%
XYZ	69.1513, 68.9053, 36.4434
YIQ	215.4580, 47.9600, -10.1520

Conversions

Conversions Part 2

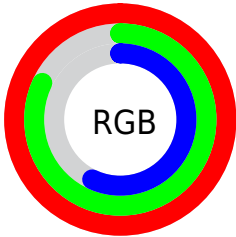
Format	Color
R_{YB}	224, 255, 145
Decimal	16765329
CIE _{Lab}	86.46, 8.08, 37.79
CIE _{LCh}	86, 38.642, 77.937
Yxy	68.9053, 0.3963, 0.3949
Android (android.graphics.Color)	4294955409 (0xFFFFD191)
YUV	215.4580, -34.7358, 34.6783
Hunter-Lab	83.0092, 3.4343, 32.0765

Details

The XYZ color **69.1513, 68.9053, 36.4434** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.3571, 50.4994, 101.8062**, and the grayscale version is **65.1089, 68.4996, 74.5961**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **36.4621, 35.9688, 15.3768** is the 20% darker color. If you saturate the color by 10%, you get **64.8728, 63.1498, 26.3812**, and if you desaturate by 10%, it is **74.0496, 75.1940, 48.8907**.

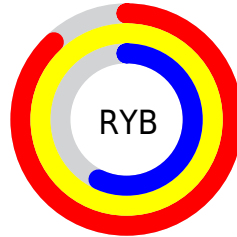
Distribution



Red (100%)

Green (82%)

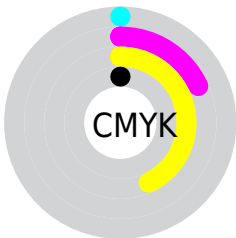
Blue (57%)



Red (88%)

Yellow (100%)

Blue (57%)

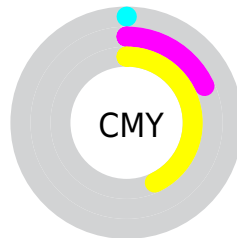


Cyan (0%)

Magenta (18%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.1513, 68.9053, 36.4434 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 69.1513, 68.9053, 36.4434 by changing the saturation by 10% instead.


 69.1513, 68.9053,
36.4434


 69.1513, 68.9053,
36.4434


446.8775,
456.6969, 345.9903

 51.1120, 50.6346,
24.4844


 117.0305,
117.6463, 70.8926

 36.5192, 35.9179,
15.4778


 147.6012,
148.8854, 94.2200

 25.0074, 24.3708,
9.0051


183.0797,
185.2161, 122.1739

 16.2113, 15.6089,
4.6476

223.8315,
227.0227, 155.1728

 9.7656, 9.2478,
1.9870

270.2217,
274.6897, 193.6354

 5.3049, 4.9032,
0.5472

322.6159,

 2.4638, 2.1906,

328.6015, 237.9801

0.0000

381.3794,
389.1424, 288.6256

■ 0.8771, 0.7148,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.1513, 68.9053,
36.4434

■ 69.1513, 68.9053,
36.4434

■ 64.8728, 63.1498,
26.3812

■ 74.0496, 75.1940,
48.8907

■ 61.1758, 57.8989,
18.5415

■ 79.5930, 82.0237,
63.8629

■ 58.0248, 53.1356,
12.7475

■ 85.8114, 89.4139,
81.4936

■ 55.3773, 48.8371,
8.7935

■ 92.7311, 97.3802,
101.9060

■ 53.1825, 44.9769, 95.0499, 100.0000,
6.4295 108.9000

■ 51.8891, 42.5583,
5.4797

Harmonies

Analogous

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



77.6981, 68.9053, 44.0883



69.1513, 68.9053, 36.4434



60.3393, 68.9053, 37.2563

Triad

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



69.1513, 68.9053, 36.4434



50.4603, 68.9053, 91.2337



79.1026, 68.9053, 113.0811

Complementary

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



69.1513, 68.9053, 36.4434



48.3571, 50.4994, 101.8062

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.



70.9309, 68.9053, 132.2931



69.1513, 68.9053, 36.4434



54.6370, 68.9053, 117.8363

Square

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



69.1513, 68.9053, 36.4434



50.0780, 68.9053, 65.1999



61.9649, 68.9053, 134.2082



83.7839, 68.9053, 85.7932

Rectangle

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



69.1513, 68.9053, 36.4434



55.4815, 68.9053, 42.5090



61.9649, 68.9053, 134.2082



76.6404, 68.9053, 120.9418

Sweetspot

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



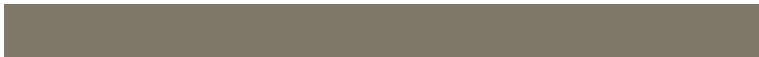
69.1530, 68.9086, 36.4448



85.9012, 89.5188, 81.7533



60.9542, 45.3468, 55.7981



18.0794, 18.8007, 16.6135



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.



69.1530, 68.9086, 36.4448



65.3294, 63.7784, 27.4098



79.4642, 93.4598, 40.6402



18.8875, 19.7431, 18.9597



27.2642, 22.5396, 2.9136



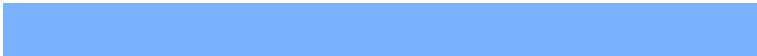
2.7626, 2.4106, 0.3197

Inverse Universe

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



48.3571, 50.4994, 101.8062



42.0221, 43.1655, 100.7247



41.1874, 34.1792, 99.0340



17.6271, 18.6258, 22.9160



12.2977, 9.5051, 50.6211



1.3024, 1.1355, 4.9638

Previews

White Background



This preview shows how the XYZ color 69.1513, 68.9053, 36.4434 looks on a white background.

Color Contrast Check

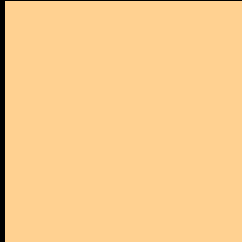
Large Text (above 18pt) WCAG AA × Fail

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 69.1513, 68.9053, 36.4434 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 69.1513, 68.9053, 36.4434

Background



This preview shows how black text looks on a background with the XYZ color 69.1513, 68.9053, 36.4434.



This preview shows how white text looks on a background with the XYZ color 69.1513, 68.9053,

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

69.1513, 68.9053, 36.4434

Protanopia

63.8328, 68.7423, 37.9212

Deuteranopia

69.7966, 68.7721, 41.0481



Tritanopia

74.9906, 68.9297, 74.3181

Trichromacy



Original Color

69.1513, 68.9053, 36.4434

Protanomaly

65.6787, 68.5723, 37.3779

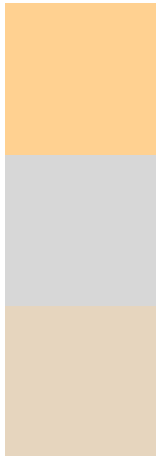
Deuteranomaly

69.4634, 68.6387, 39.2933

Tritanomaly

72.3656, 68.6403, 58.1500

Monochromacy



Original Color

69.1513, 68.9053, 36.4434

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.7216, 68.1292, 58.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1513, 68.9053, 36.4434 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 145) }
```

Border

The CSS property to change the border of an element to XYZ 69.1513, 68.9053, 36.4434 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, 145) }
```


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

```
.border{ border-color:rgb(255, 209, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1513, 68.9053, 36.4434 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, 145) }
```

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

```
.background{ background-color: rgb(255,  
209, 145) }
```

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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