

Converting Colors

XYZ(70.6105, 71.7882, 37.0390)

Have a look what the booklet for
XYZ(70.6105, 71.7882, 37.0390)
contains.

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Color

**XYZ(70.6513, 71.9052,
36.9434)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD791
RGB	255, 215, 145
RGB Percent	100%, 84%, 57%
CMY	0.0000, 0.1568, 0.4314
CMYK	0.00, 0.16, 0.43, 0.00
HSL	38°, 100%, 78%
HSV	38°, 43%, 100%
XYZ	70.6513, 71.9052, 36.9434
YIQ	218.9800, 46.3100, -13.2900

Conversions

Conversions Part 2

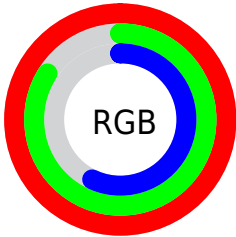
Format	Color
R _Y B	208, 255, 145
Decimal	16766865
CIE _{Lab}	87.92, 4.99, 39.68
CIE _{LCh}	88, 39.995, 82.839
Yxy	71.9052, 0.3936, 0.4006
Android (android.graphics.Color)	4294956945 (0xFFFFD791)
YUV	218.9800, -36.4721, 31.5895
Hunter-Lab	84.7969, 0.3284, 33.5270

Details

The XYZ color **70.6513, 71.9052, 36.9434** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.0755, 47.9360, 101.3791**, and the grayscale version is **67.5422, 71.0596, 77.3839**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **37.3115, 37.6677, 15.6600** is the 20% darker color. If you saturate the color by 10%, you get **66.6076, 66.6192, 26.9595**, and if you desaturate by 10%, it is **75.2737, 77.6421, 49.2988**.

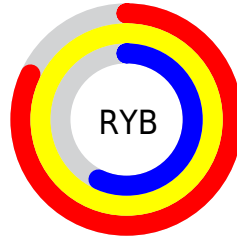
Distribution



Red (100%)

Green (84%)

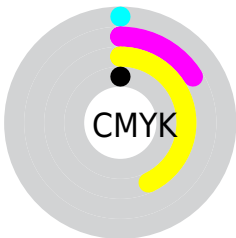
Blue (57%)



Red (82%)

Yellow (100%)

Blue (57%)

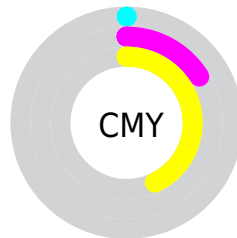


Cyan (0%)

Magenta (16%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6513, 71.9052, 36.9434 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 70.6513, 71.9052, 36.9434 by changing the saturation by 10% instead.

 70.6513, 71.9052,
36.9434


 70.6513, 71.9052,
36.9434


452.0644,
467.2116, 348.2267

 52.3392, 53.0812,
24.8682


 119.1583,
121.9217, 71.6711

 37.5009, 37.8676,
15.7608


 150.0839,
153.8831, 95.1607

 25.7710, 25.8800,
9.2025


185.9447,
190.9924, 123.2921

 16.7842, 16.7339,
4.7749

227.1061,
233.6340, 156.4840

 10.1751, 10.0449,
2.0594

273.9334,
282.1923, 195.1549

 5.5783, 5.4288,
0.5914

326.7920,

 2.6286, 2.5010,

337.0518, 239.7233

0.0000

386.0472,
398.5967, 290.6077

■ 0.9606, 0.8771,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.6513, 71.9052,
36.9434

■ 70.6513, 71.9052,
36.9434

■ 66.6076, 66.6192,
26.9595

■ 75.2737, 77.6421,
49.2988

■ 63.1052, 61.7576,
19.1846

■ 80.4987, 83.8349,
64.1648

■ 60.1099, 57.3058,
13.4425

■ 86.3551, 90.5012,
81.6750

■ 57.5807, 53.2438,
9.5279

■ 92.8681, 97.6542,
101.9519

■ 55.4680, 49.5478, 95.0500, 100.0000,
7.1913 108.9000

■ 54.2108, 47.2015,
6.2536

Harmonies

Analogous

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



80.0091, 71.9052, 43.5020



70.6513, 71.9052, 36.9434



61.4816, 71.9052, 39.2326

Triad

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



70.6513, 71.9052, 36.9434



52.8226, 71.9052, 100.4563



83.9957, 71.9052, 114.4246

Complementary

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



70.6513, 71.9052, 36.9434



47.0755, 47.9360, 101.3791

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.



75.6984, 71.9052, 137.2322



70.6513, 71.9052, 36.9434



57.8712, 71.9052, 127.9485

Square

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



70.6513, 71.9052, 36.9434



51.7416, 71.9052, 71.9370



66.0870, 71.9052, 142.6839



88.1642, 71.9052, 85.0118

Rectangle

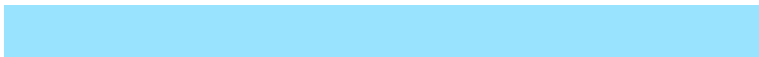
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6513, 71.9052, 36.9434



56.6367, 71.9052, 45.7975



66.0870, 71.9052, 142.6839



81.5621, 71.9052, 123.3725

Sweetspot

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



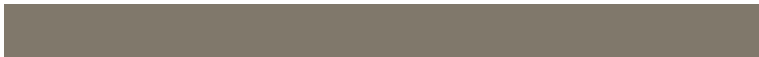
70.6531, 71.9086, 36.9449



86.4395, 90.5955, 81.9327



60.1580, 45.0284, 51.6051



18.2126, 19.0670, 16.6579



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.



70.6531, 71.9086, 36.9449



67.0394, 67.1984, 27.9798



76.9195, 92.1481, 40.5212



18.9733, 19.9148, 18.9883



28.4733, 24.9579, 3.3166



2.8763, 2.6380, 0.3576

Inverse Universe

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



47.0755, 47.9360, 101.3791



40.6224, 40.3660, 100.2581



42.6067, 34.9109, 99.1006



17.5437, 18.4589, 22.8882



11.5927, 8.0950, 50.3861



1.2283, 0.9872, 4.9391

Previews

White Background



This preview shows how the XYZ color 70.6513, 71.9052, 36.9434 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 70.6513, 71.9052, 36.9434 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 70.6513, 71.9052, 36.9434

Background



This preview shows how black text looks on a background with the XYZ color 70.6513, 71.9052, 36.9434.



This preview shows how white text looks on a background with the XYZ color 70.6513, 71.9052,

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

70.6513, 71.9052, 36.9434

Protanopia

66.7195, 72.1702, 38.0175

Deuteranopia

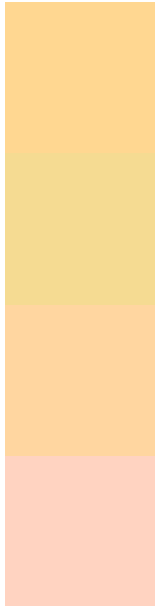
72.1021, 71.6757, 47.0804



Tritanopia

77.0916, 72.0814, 78.2565

Trichromacy



Original Color

70.6513, 71.9052, 36.9434

Protanomaly

68.1760, 72.1508, 37.5274

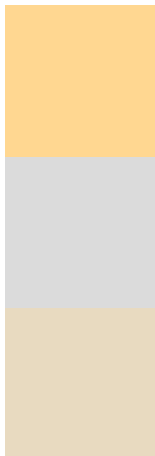
Deuteranomaly

71.6317, 71.8912, 43.3587

Tritanomaly

74.1599, 71.6988, 60.3827

Monochromacy



Original Color

70.6513, 71.9052, 36.9434

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.8645, 71.1044, 60.0168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6513, 71.9052, 36.9434 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, 215, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 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, 215, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 145) }
```

Border

The CSS property to change the border of an element to XYZ 70.6513, 71.9052, 36.9434 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, 215, 145) }
```


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

```
.border{ border-color:rgb(255, 215, 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, 215, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6513, 71.9052, 36.9434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 145) }
```

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

```
.background{ background-color: rgb(255,  
215, 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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