

Converting Colors

XYZ(63.1620, 55.9340, 37.5073)

Have a look what the booklet for
XYZ(63.1620, 55.9340, 37.5073)
contains.

XYZ(63.1099, 55.8001, 37.5812)	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(63.1099, 55.8001,
37.5812)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB399
RGB	255, 179, 153
RGB Percent	100%, 70%, 60%
CMY	0.0000, 0.2980, 0.4000
CMYK	0.00, 0.30, 0.40, 0.00
HSL	15°, 100%, 80%
HSV	15°, 40%, 100%
XYZ	63.1099, 55.8001, 37.5812
YIQ	198.7600, 53.6420, 8.0260

Conversions

Conversions Part 2

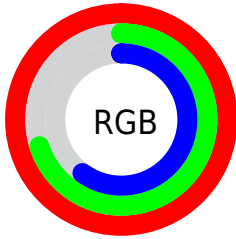
Format	Color
R_{YB}	255, 188, 153
Decimal	16757657
CIE _{Lab}	79.50, 24.57, 24.36
CIE _{LCh}	79, 34.599, 44.762
Yxy	55.8001, 0.4033, 0.3566
Android (android.graphics.Color)	4294947737 (0xFFFFB399)
YUV	198.7600, -22.5597, 49.3225
Hunter-Lab	74.6995, 20.0818, 22.4609

Details

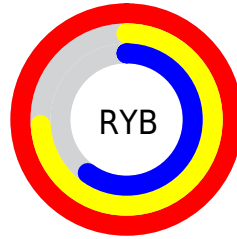
The XYZ color **63.1099, 55.8001, 37.5812** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.2050, 70.0282, 105.0041**, and the grayscale version is **54.2512, 57.0765, 62.1563**.

A 20% lighter version of the original color is **82.2108, 85.1817, 71.1402**, and **32.6241, 27.6168, 16.1815** is the 20% darker color. If you saturate the color by 10%, you get **57.6757, 47.9498, 26.4658**, and if you desaturate by 10%, it is **69.5216, 64.8851, 51.2438**.

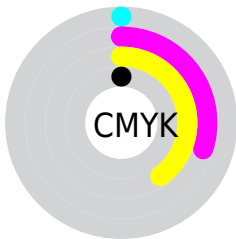
Distribution



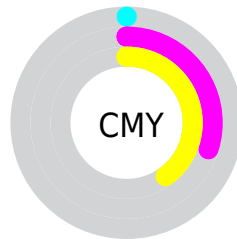
- Red (100%)
- Green (70%)
- Blue (60%)



- Red (100%)
- Yellow (74%)
- Blue (60%)



- Cyan (0%)
- Magenta (30%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1099, 55.8001, 37.5812 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 63.1099, 55.8001, 37.5812 by changing the saturation by 10% instead.


 63.1099, 55.8001,
37.5812

 63.1099, 55.8001,
37.5812


425.6216,
408.9377, 351.0642

 46.1891, 40.0427,
25.3585


 108.4090, 98.7122,
72.6621

 32.6003, 27.5718,
16.1229


 137.5180,
126.6357, 96.3573

 21.9782, 18.0031,
9.4559

171.4204,
159.3834, 124.7138

 13.9574, 10.9522,
4.9389

210.4816,
197.3396, 158.1501

 8.1725, 6.0347,
2.1533

255.0670,
240.8887, 197.0848

 4.2583, 2.8662,
0.6472

305.5419,

 1.8493, 1.0623,

290.4152, 241.9363

0.0000

362.2716,
346.3034, 293.1232

■ 0.5471, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1099, 55.8001,
37.5812

■ 63.1099, 55.8001,
37.5812

■ 57.6757, 47.9498,
26.4658

■ 69.5216, 64.8851,
51.2438

■ 53.1646, 41.2718,
17.7349

■ 76.9531, 75.2474,
67.5960

■ 49.5229, 35.7105,
11.2119

■ 85.4491, 86.9375,
86.7733

■ 46.6890, 31.2019,
6.6939

95.0500, 100.0000,
108.9000

■ 44.5923, 27.6751,
3.9399

■ 43.1312, 25.0423,
2.5604

■ 43.1311, 25.0422,
2.5604

Harmonies

Analogous

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



67.0477, 55.8001, 51.5113



63.1099, 55.8001, 37.5812



56.6295, 55.8001, 30.7890

Triad

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



63.1099, 55.8001, 37.5812



41.1514, 55.8001, 51.2359



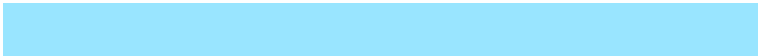
56.5173, 55.8001, 105.8279

Complementary

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



63.1099, 55.8001, 37.5812



59.2050, 70.0282, 105.0041

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.



49.5984, 55.8001, 105.7085



63.1099, 55.8001, 37.5812



41.1270, 55.8001, 71.0473

Square

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



63.1099, 55.8001, 37.5812



44.1658, 55.8001, 37.4178



44.0961, 55.8001, 91.9133



63.0215, 55.8001, 92.2108

Rectangle

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



63.1099, 55.8001, 37.5812



51.9340, 55.8001, 30.0235



44.0961, 55.8001, 91.9133



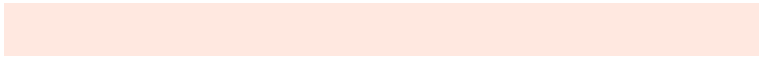
54.1542, 55.8001, 107.4750

Sweetspot

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



63.1113, 55.8028, 37.5823



83.6623, 84.4904, 82.7046



66.8443, 49.7281, 80.5710



17.6625, 17.7487, 17.1471



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.



63.1113, 55.8028, 37.5823



58.6869, 49.4242, 28.4924



75.1478, 79.8759, 41.5945



18.3857, 18.7396, 18.7924



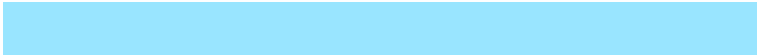
22.6371, 13.2854, 1.3712



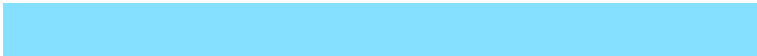
2.2872, 1.4598, 0.1612

Inverse Universe

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



59.2050, 70.0282, 105.0041



54.2600, 65.3744, 104.3665



47.2074, 46.0330, 101.0049



18.1398, 19.6512, 23.0869



19.1775, 23.2646, 52.9143



1.9548, 2.4403, 5.1813

Previews

White Background



This preview shows how the XYZ color 63.1099, 55.8001, 37.5812 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 63.1099, 55.8001, 37.5812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

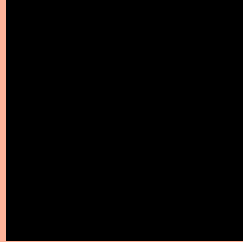
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1099, 55.8001, 37.5812

Background



This preview shows how black text looks on a background with the XYZ color 63.1099, 55.8001, 37.5812.



This preview shows how white text looks on a background with the XYZ color 63.1099, 55.8001,

37.5812.

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

63.1099, 55.8001, 37.5812

Protanopia

52.6938, 56.0610, 41.7618

Deuteranopia

57.0622, 55.7854, 37.0383



Tritanopia

65.8424, 55.9415, 54.9045

Trichromacy



Original Color

63.1099, 55.8001, 37.5812

Protanomaly

55.9490, 55.4643, 40.1046

Deuteranomaly

58.9516, 55.4902, 37.3094

Tritanomaly

64.7000, 55.7994, 47.9177

Monochromacy



Original Color

63.1099, 55.8001, 37.5812

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

56.5066, 56.1367, 52.1132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1099, 55.8001, 37.5812 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, 179, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 153)  
}
```

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, 179, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 153) }
```

Border

The CSS property to change the border of an element to XYZ 63.1099, 55.8001, 37.5812 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, 179, 153) }
```


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

```
.border{ border-color:rgb(255, 179, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 179, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1099, 55.8001, 37.5812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 153) }
```

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

```
.background{ background-color: rgb(255,  
179, 153) }
```

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