

Converting Colors

XYZ(148.3412, 100.0000,
41.6008)

Have a look what the booklet for
XYZ(148.3412, 100.0000, 41.6008)
contains.

XYZ(63.3110, 56.2024, 37.6483)	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(63.3110, 56.2024,
37.6483)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB499
RGB	255, 180, 153
RGB Percent	100%, 71%, 60%
CMY	0.0000, 0.2941, 0.4000
CMYK	0.00, 0.29, 0.40, 0.00
HSL	16°, 100%, 80%
HSV	16°, 40%, 100%
XYZ	63.3110, 56.2024, 37.6483
YIQ	199.3470, 53.3670, 7.5030

Conversions

Conversions Part 2

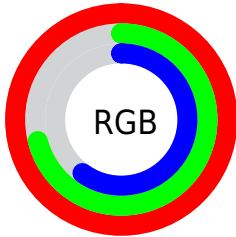
Format	Color
R_{YB}	255, 190, 153
Decimal	16757913
CIE _{Lab}	79.73, 24.04, 24.67
CIE _{LCh}	80, 34.451, 45.743
Yxy	56.2024, 0.4028, 0.3576
Android (android.graphics.Color)	4294947993 (0xFFFFB499)
YUV	199.3470, -22.8491, 48.8077
Hunter-Lab	74.9683, 19.5495, 22.7029

Details

The XYZ color **63.3110, 56.2024, 37.6483** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.9291, 69.4764, 104.9120**, and the grayscale version is **54.6126, 57.4567, 62.5703**.

A 20% lighter version of the original color is **82.4979, 85.7559, 71.2359**, and **32.7526, 27.8738, 16.2243** is the 20% darker color. If you saturate the color by 10%, you get **57.8935, 48.3854, 26.5385**, and if you desaturate by 10%, it is **69.6934, 65.2288, 51.3012**.

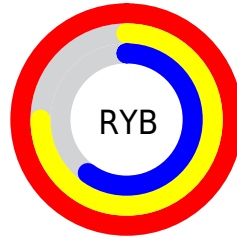
Distribution



Red (100%)

Green (71%)

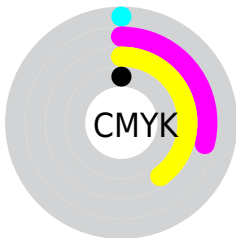
Blue (60%)



Red (100%)

Yellow (75%)

Blue (60%)

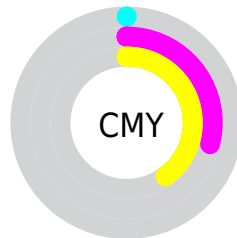


Cyan (0%)

Magenta (29%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3110, 56.2024, 37.6483 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 63.3110, 56.2024, 37.6483 by changing the saturation by 10% instead.


 63.3110, 56.2024,
37.6483


 63.3110, 56.2024,
37.6483


426.3390,
410.4538, 351.3617

 46.3524, 40.3652,
25.4101


 108.6974, 99.3004,
72.7662

 32.7298, 27.8234,
16.1611


 137.8559,
127.3301, 96.4830

 22.0778, 18.1926,
9.4826


171.8118,
160.1927, 124.8631

 14.0310, 11.0883,
4.9562

210.9303,
198.2727, 158.3250

 8.2241, 6.1263,
2.1633

255.5770,
241.9544, 197.2872

 4.2917, 2.9220,
0.6531

306.1171,

 1.8684, 1.0912,

291.6222, 242.1684

0.0000

362.9160,
347.6605, 293.3871

■ 0.5584, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.3110, 56.2024,
37.6483

■ 63.3110, 56.2024,
37.6483

■ 57.8935, 48.3854,
26.5385

■ 69.6934, 65.2288,
51.3012

■ 53.3873, 41.7172,
17.8092

■ 77.0821, 75.5055,
67.6391

■ 49.7397, 36.1442,
11.2842

■ 85.5211, 87.0815,
86.7974

■ 46.8903, 31.6046,
6.7611

95.0499, 100.0000,
108.9000

■ 44.7697, 28.0301,
3.9991

■ 43.2779, 25.3358,
2.6093

■ 43.2778, 25.3356,
2.6093

Harmonies

Analogous

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



67.3595, 56.2024, 51.3757



63.3110, 56.2024, 37.6483



56.7821, 56.2024, 31.0623

Triad

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



63.3110, 56.2024, 37.6483



41.4718, 56.2024, 52.2346



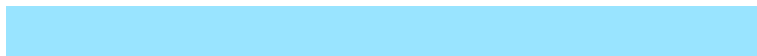
57.1318, 56.2024, 105.9827

Complementary

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



63.3110, 56.2024, 37.6483



58.9291, 69.4764, 104.9120

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.



50.1908, 56.2024, 106.3540



63.3110, 56.2024, 37.6483



41.5477, 56.2024, 72.1917

Square

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



63.3110, 56.2024, 37.6483



44.3973, 56.2024, 38.1589



44.6145, 56.2024, 92.9472



63.5862, 56.2024, 92.0219

Rectangle

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



63.3110, 56.2024, 37.6483



52.0910, 56.2024, 30.4379



44.6145, 56.2024, 92.9472



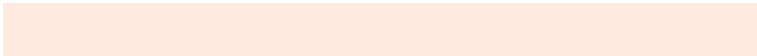
54.7688, 56.2024, 107.7885

Sweetspot

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



63.3124, 56.2051, 37.6494



83.7469, 84.6596, 82.7328



66.8443, 49.7281, 80.5709



17.6823, 17.7883, 17.1537



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.



63.3124, 56.2051, 37.6494



58.9024, 49.8551, 28.5642



75.1478, 79.8758, 41.5945



18.4004, 18.7691, 18.7973



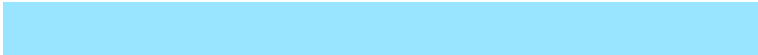
22.7167, 13.4447, 1.3978



2.2967, 1.4788, 0.1644

Inverse Universe

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



58.9291, 69.4764, 104.9120



53.9390, 64.7324, 104.2595



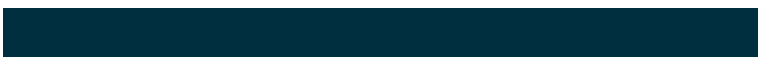
47.2074, 46.0330, 101.0048



18.1241, 19.6198, 23.0817



18.8997, 22.7089, 52.8217



1.9297, 2.3901, 5.1729

Previews

White Background



This preview shows how the XYZ color 63.3110, 56.2024, 37.6483 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 63.3110, 56.2024, 37.6483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

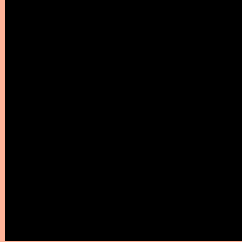
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.3110, 56.2024, 37.6483

Background



This preview shows how black text looks on a background with the XYZ color 63.3110, 56.2024, 37.6483.



This preview shows how white text looks on a background with the XYZ color 63.3110, 56.2024,

37.6483.

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

63.3110, 56.2024, 37.6483

Protanopia

53.2054, 56.6630, 41.8510

Deuteranopia

57.6036, 56.3849, 37.1255



Tritanopia

66.1474, 56.3784, 55.5399

Trichromacy



Original Color

63.3110, 56.2024, 37.6483

Protanomaly

56.1664, 55.8990, 40.1770

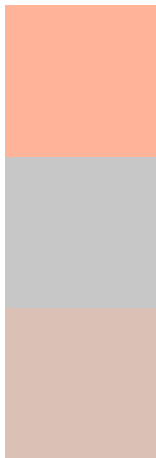
Deuteranomaly

59.5020, 56.0856, 37.3953

Tritanomaly

64.9969, 56.2354, 48.5031

Monochromacy



Original Color

63.3110, 56.2024, 37.6483

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 63.3110, 56.2024, 37.6483 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, 180, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 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, 180, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 153) }
```

Border

The CSS property to change the border of an element to XYZ 63.3110, 56.2024, 37.6483 is called "border". The border property can be set on classes, ids or directly on the HTML element.

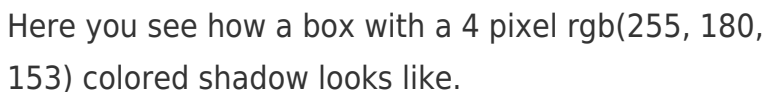
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 180, 153) }
```


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

```
.border{ border-color:rgb(255, 180, 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, 180, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 180, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 180, 153); box-shadow:4px 4px 4px 4px rgb(255, 180, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3110, 56.2024, 37.6483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 153) }
```

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

```
.background{ background-color: rgb(255,  
180, 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