

Converting Colors

XYZ(63.7653, 56.7700, 38.8507)

Have a look what the booklet for
XYZ(63.7653, 56.7700, 38.8507)
contains.

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Color

**XYZ(63.7646, 56.7080,
39.0375)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB59C
RGB	255, 181, 156
RGB Percent	100%, 71%, 61%
CMY	0.0000, 0.2902, 0.3882
CMYK	0.00, 0.29, 0.39, 0.00
HSL	15°, 100%, 81%
HSV	15°, 39%, 100%
XYZ	63.7646, 56.7080, 39.0375
YIQ	200.2760, 52.1290, 7.9130

Conversions

Conversions Part 2

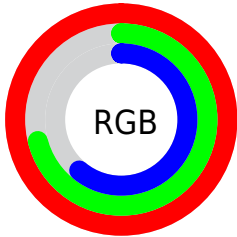
Format	Color
R _Y B	255, 189, 156
Decimal	16758172
CIE Lab	80.02, 23.85, 23.46
CIE LCh	80, 33.455, 44.531
Yxy	56.7080, 0.3998, 0.3555
Android (android.graphics.Color)	4294948252 (0xFFFFB59C)
YUV	200.2760, -21.8281, 47.9929
Hunter-Lab	75.3047, 19.3624, 21.9777

Details

The XYZ color **63.7646, 56.7080, 39.0375** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.0560, 70.8789, 105.1234**, and the grayscale version is **55.1789, 58.0525, 63.2192**.

A 20% lighter version of the original color is **83.2821, 86.5315, 73.9408**, and **33.0339, 28.1940, 17.0655** is the 20% darker color. If you saturate the color by 10%, you get **58.2140, 48.7073, 27.6293**, and if you desaturate by 10%, it is **70.3015, 65.9558, 53.0118**.

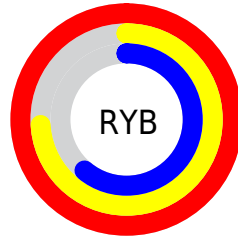
Distribution



Red (100%)

Green (71%)

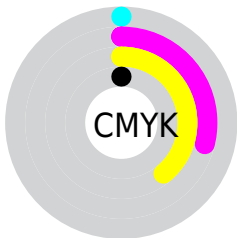
Blue (61%)



Red (100%)

Yellow (74%)

Blue (61%)

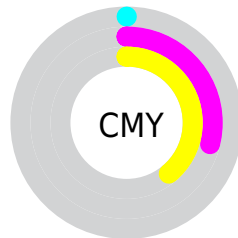


Cyan (0%)

Magenta (29%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7646, 56.7080, 39.0375 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 63.7646, 56.7080, 39.0375 by changing the saturation by 10% instead.


 63.7646, 56.7080,
39.0375


 63.7646, 56.7080,
39.0375


427.9548,
412.3542, 357.4806

 46.7210, 40.7709,
26.4808


 109.3475,
100.0390, 74.9166

 33.0222, 28.1401,
16.9547


 138.6175,
128.2016, 99.0761

 22.3028, 18.4313,
10.0406

172.6937,
161.2082, 127.9403

 14.1974, 11.2601,
5.3199

211.9414,
199.4432, 161.9277

 8.3407, 6.2420,
2.3742

256.7260,
243.2908, 201.4569

 4.3673, 2.9928,
0.7723

307.4129,

 1.9120, 1.1280,

293.1356, 246.9464

0.0000

364.3673,
349.3620, 298.8148

■ 0.5838, 0.0017,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7646, 56.7080,
39.0375

■ 63.7646, 56.7080,
39.0375

■ 58.2140, 48.7073,
27.6293

■ 70.3015, 65.9558,
53.0118

■ 53.5955, 41.8913,
18.6261

■ 77.8668, 76.4933,
69.6931

■ 49.8558, 36.2043,
11.8537

■ 86.5050, 88.3711,
89.2160

■ 46.9340, 31.5826,
7.1126

95.0500, 100.0000,
108.9000

■ 44.7603, 27.9557,
4.1672

■ 43.2429, 25.2395,
2.6788

■ 43.0964, 24.9729,
2.5488

Harmonies

Analogous

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



67.5682, 56.7080, 52.8211



63.7646, 56.7080, 39.0375



57.4613, 56.7080, 32.2375

Triad

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



63.7646, 56.7080, 39.0375



42.2576, 56.7080, 52.2893



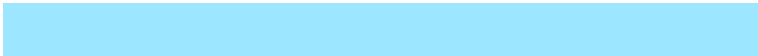
57.2458, 56.7080, 105.5341

Complementary

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



63.7646, 56.7080, 39.0375



60.0560, 70.8789, 105.1234

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.



50.4876, 56.7080, 105.3074



63.7646, 56.7080, 39.0375



42.2105, 56.7080, 71.6221

Square

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



63.7646, 56.7080, 39.0375



45.2424, 56.7080, 38.7191



45.1078, 56.7080, 91.8947



63.5955, 56.7080, 92.4608

Rectangle

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



63.7646, 56.7080, 39.0375



52.8733, 56.7080, 31.4408



45.1078, 56.7080, 91.8947



54.9384, 56.7080, 107.0861

Sweetspot

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



63.7661, 56.7107, 39.0386



83.6418, 84.4494, 82.6977



67.4468, 50.7647, 81.2911



17.6577, 17.7391, 17.1455



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.



63.7661, 56.7107, 39.0386



59.1551, 50.0761, 29.5249



75.6074, 80.3934, 42.9857



18.3821, 18.7325, 18.7912



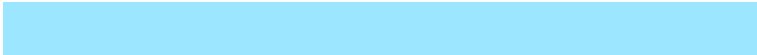
22.6183, 13.2478, 1.3650



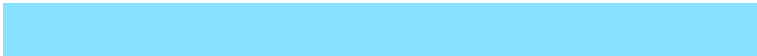
2.2849, 1.4552, 0.1605

Inverse Universe

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



60.0560, 70.8789, 105.1234



54.9177, 66.0870, 104.4693



48.2339, 47.2347, 101.1827



18.1436, 19.6588, 23.0882



19.2456, 23.4008, 52.9370



1.9609, 2.4526, 5.1833

Previews

White Background



This preview shows how the XYZ color 63.7646, 56.7080, 39.0375 looks on a white background.

Color Contrast Check

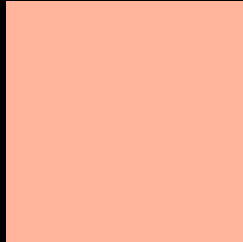
Large Text (above 18pt) WCAG AA × Fail

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 63.7646, 56.7080, 39.0375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

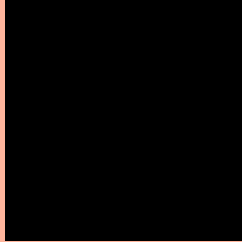
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7646, 56.7080, 39.0375

Background



This preview shows how black text looks on a background with the XYZ color 63.7646, 56.7080, 39.0375.



This preview shows how white text looks on a background with the XYZ color 63.7646, 56.7080,

39.0375.

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

63.7646, 56.7080, 39.0375

Protanopia

53.4733, 56.7701, 43.2613

Deuteranopia

58.0678, 56.9183, 38.4977



Tritanopia

66.4547, 56.8185, 56.1797

Trichromacy



Original Color

63.7646, 56.7080, 39.0375

Protanomaly

56.6467, 56.4412, 41.6269

Deuteranomaly

59.9623, 56.6080, 38.7764

Tritanomaly

65.3960, 56.7146, 49.6197

Monochromacy



Original Color

63.7646, 56.7080, 39.0375

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

57.2369, 56.8163, 53.2973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7646, 56.7080, 39.0375 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, 181, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 156)  
}
```

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, 181, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 156) }
```

Border

The CSS property to change the border of an element to XYZ 63.7646, 56.7080, 39.0375 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, 181, 156) }
```


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

```
.border{ border-color:rgb(255, 181, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7646, 56.7080, 39.0375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 156) }
```

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

```
.background{ background-color: rgb(255,  
181, 156) }
```

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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