

Converting Colors

XYZ(70.5749, 64.4005, 47.9710)

Have a look what the booklet for
XYZ(70.5749, 64.4005, 47.9710)
contains.

XYZ(68.2015, 63.2688, 47.6472)	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(68.2015, 63.2688,
47.6472)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC3AC
RGB	255, 195, 172
RGB Percent	100%, 76%, 67%
CMY	0.0000, 0.2353, 0.3255
CMYK	0.00, 0.24, 0.33, 0.00
HSL	17°, 100%, 84%
HSV	17°, 33%, 100%
XYZ	68.2015, 63.2688, 47.6472
YIQ	210.3180, 43.1430, 5.5670

Conversions

Conversions Part 2

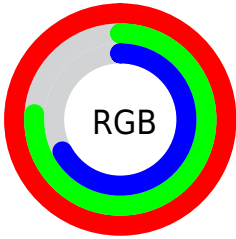
Format	Color
R _Y B	255, 204, 172
Decimal	16761772
CIE Lab	83.58, 18.39, 19.85
CIE LCh	84, 27.065, 47.189
Yxy	63.2688, 0.3808, 0.3532
Android (android.graphics.Color)	4294951852 (0xFFFFC3AC)
YUV	210.3180, -18.8908, 39.1861
Hunter-Lab	79.5417, 13.8535, 20.1632

Details

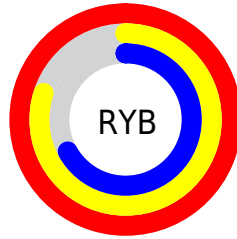
The XYZ color **68.2015, 63.2688, 47.6472** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **63.9188, 73.7012, 105.4646**, and the grayscale version is **61.5693, 64.7757, 70.5408**.

A 20% lighter version of the original color is **89.9155, 96.4269, 86.5462**, and **35.9410, 32.2761, 22.1049** is the 20% darker color. If you saturate the color by 10%, you get **62.1056, 54.6274, 34.6699**, and if you desaturate by 10%, it is **75.2804, 73.1237, 63.2717**.

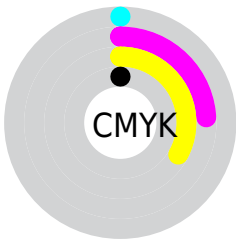
Distribution



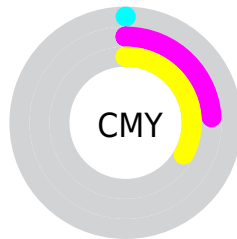
- Red (100%)
- Green (76%)
- Blue (67%)



- Red (100%)
- Yellow (80%)
- Blue (67%)



- Cyan (0%)
- Magenta (24%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2015, 63.2688, 47.6472 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 68.2015, 63.2688, 47.6472 by changing the saturation by 10% instead.


 68.2015, 63.2688,
47.6472

 68.2015, 63.2688,
47.6472


443.5751,
436.5444, 393.8603

 50.3360, 46.0587,
33.1896


 115.6807,
109.5572, 88.0390

 35.8993, 32.2921,
21.9994


146.0250,
139.4043, 114.8102

 24.5262, 21.5847,
13.6582


181.2597,
174.2325, 146.5230

 15.8512, 13.5521,
7.7473

221.7500,
214.4263, 183.5960

 9.5091, 7.8098,
3.8482

267.8614,
260.3700, 226.4477

 5.1345, 3.9735,
1.5424

319.9591,

 2.3620, 1.6587,

312.4479, 275.4966

0.2493

378.4086,
371.0446, 331.1613

■ 0.8261, 0.3967,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.2015, 63.2688,
47.6472

■ 68.2015, 63.2688,
47.6472

■ 62.1056, 54.6274,
34.6699

■ 75.2804, 73.1237,
63.2717

■ 56.9424, 47.1428,
24.1879

■ 83.3797, 84.2282,
81.6762

■ 52.6642, 40.7670,
16.0395

■ 92.5410, 96.6280,
102.9891

■ 49.2168, 35.4447,
10.0421

95.0500, 100.0000,
108.9000

■ 46.5391, 31.1156,
5.9856

■ 44.5601, 27.7121,
3.6166

■ 43.4729, 25.7258,
2.6743

Harmonies

Analogous

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



71.6700, 63.2688, 59.7031



68.2015, 63.2688, 47.6472



62.6929, 63.2688, 41.7549

Triad

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



68.2015, 63.2688, 47.6472



49.7111, 63.2688, 61.9147



63.5597, 63.2688, 104.9338

Complementary

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



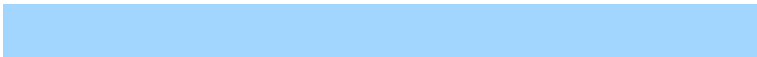
68.2015, 63.2688, 47.6472



63.9188, 73.7012, 105.4646

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.



57.6479, 63.2688, 105.7887



68.2015, 63.2688, 47.6472



49.9094, 63.2688, 78.9718

Square

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



68.2015, 63.2688, 47.6472



52.1703, 63.2688, 49.0366



52.7312, 63.2688, 95.6581



68.8718, 63.2688, 93.4847

Rectangle

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



68.2015, 63.2688, 47.6472



58.7228, 63.2688, 41.3587



52.7312, 63.2688, 95.6581



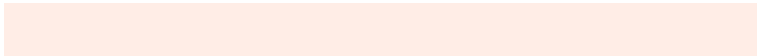
61.5698, 63.2688, 106.5291

Sweetspot

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



68.2031, 63.2718, 47.6485



85.6120, 87.2636, 86.8266



70.6818, 56.6412, 84.1988



18.0592, 18.3175, 17.9715



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.



68.2031, 63.2718, 47.6485



64.1599, 57.5595, 38.9816



78.5766, 84.0188, 51.1063



18.4191, 18.8064, 18.8035



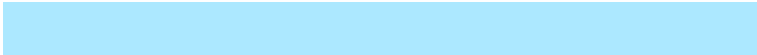
22.8223, 13.6559, 1.4330



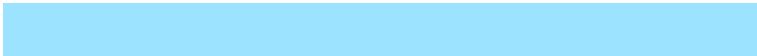
2.3091, 1.5036, 0.1685

Inverse Universe

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



63.9188, 73.7012, 105.4646



59.2616, 69.4196, 104.8836



53.7747, 53.4131, 102.0833



18.1042, 19.5801, 23.0751



18.5545, 22.0187, 52.7067



1.8984, 2.3276, 5.1625

Previews

White Background



This preview shows how the XYZ color 68.2015, 63.2688, 47.6472 looks on a white background.

Color Contrast Check

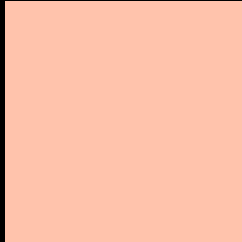
Large Text (above 18pt) WCAG AA × Fail

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 68.2015, 63.2688, 47.6472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

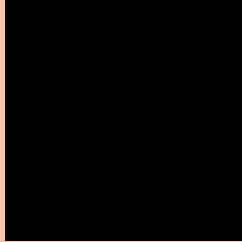
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2015, 63.2688, 47.6472

Background



This preview shows how black text looks on a background with the XYZ color 68.2015, 63.2688, 47.6472.



This preview shows how white text looks on a background with the XYZ color 68.2015, 63.2688,

47.6472.

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

68.2015, 63.2688, 47.6472

Protanopia

59.8052, 63.3862, 51.2022

Deuteranopia

64.8553, 63.5908, 47.3841



Tritanopia

71.1091, 63.3671, 66.2408

Trichromacy



Original Color

68.2015, 63.2688, 47.6472

Protanomaly

62.4711, 63.0023, 49.9424

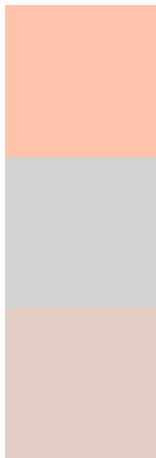
Deuteranomaly

66.1319, 63.5613, 47.3111

Tritanomaly

69.9356, 63.2502, 58.9746

Monochromacy



Original Color

68.2015, 63.2688, 47.6472

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

63.1592, 63.8169, 61.2136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2015, 63.2688, 47.6472 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, 195, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 172)  
}
```

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, 195, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 172) }
```

Border

The CSS property to change the border of an element to XYZ 68.2015, 63.2688, 47.6472 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, 195, 172) }
```


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

```
.border{ border-color:rgb(255, 195, 172) }
```

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

Here you see how a box with a 4 pixel rgb(255, 195, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2015, 63.2688, 47.6472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 172) }
```

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

```
.background{ background-color: rgb(255,  
195, 172) }
```

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