

Converting Colors

XYZ(72.1812, 54.6585, 34.2819)

Have a look what the booklet for
XYZ(72.1812, 54.6585, 34.2819)
contains.

XYZ(58.7333, 47.8203, 33.7384)	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(58.7333, 47.8203,
33.7384)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E93
RGB	255, 158, 147
RGB Percent	100%, 62%, 58%
CMY	0.0000, 0.3804, 0.4235
CMYK	0.00, 0.38, 0.42, 0.00
HSL	6°, 100%, 79%
HSV	6°, 42%, 100%
XYZ	58.7333, 47.8203, 33.7384
YIQ	185.7490, 61.3430, 17.1430

Conversions

Conversions Part 2

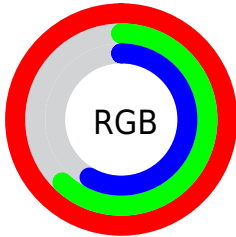
Format	Color
R_{YB}	255, 159, 147
Decimal	16752275
CIE _{Lab}	74.71, 34.88, 21.06
CIE _{LCh}	75, 40.746, 31.124
Yxy	47.8203, 0.4187, 0.3409
Android (android.graphics.Color)	4294942355 (0xFFFF9E93)
YUV	185.7490, -19.1033, 60.7331
Hunter-Lab	69.1522, 30.5896, 19.4798

Details

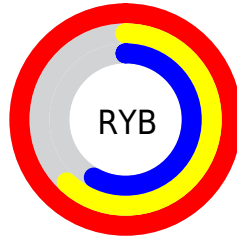
The XYZ color **58.7333, 47.8203, 33.7384** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **62.4317, 78.1209, 106.3959**, and the grayscale version is **46.6123, 49.0398, 53.4043**.

A 20% lighter version of the original color is **75.8292, 73.5702, 65.4622**, and **29.6686, 22.5498, 13.8552** is the 20% darker color. If you saturate the color by 10%, you get **53.4007, 40.0102, 23.1590**, and if you desaturate by 10%, it is **65.2398, 57.2683, 46.8979**.

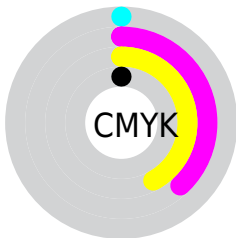
Distribution



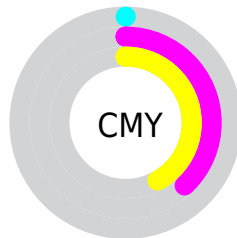
- Red (100%)
- Green (62%)
- Blue (58%)



- Red (100%)
- Yellow (62%)
- Blue (58%)



- Cyan (0%)
- Magenta (38%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7333, 47.8203, 33.7384 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 58.7333, 47.8203, 33.7384 by changing the saturation by 10% instead.


 58.7333, 47.8203,
33.7384


 58.7333, 47.8203,
33.7384


409.8228,
378.0794, 333.6975

 42.6440, 33.6846,
22.4170


 102.1068, 86.9368,
66.6559

 29.7992, 22.6514,
13.9624


 130.1217,
112.6864, 89.0890

 19.8335, 14.3363,
7.9560

162.8425,
143.0760, 116.0632

 12.3817, 8.3550,
3.9795

200.6346,
178.4902, 147.9968

 7.0782, 4.3229,
1.6141

243.8633,
219.3132, 185.3085

 3.5578, 1.8558,
0.3008

292.8940,

 1.4552, 0.5216,

265.9295, 228.4169

0.0000

348.0921,
318.7234, 277.7403

■ 0.2950, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7333, 47.8203,
33.7384

■ 58.7333, 47.8203,
33.7384

■ 53.4007, 40.0102,
23.1590

■ 65.2398, 57.2683,
46.8979

■ 49.1680, 33.7380,
14.9873

■ 72.9808, 68.4325,
62.7891

■ 45.9589, 28.9038,
9.0343

■ 82.0170, 81.3950,
81.5549

■ 43.6854, 25.3929,
5.0816

■ 92.4043, 96.2302,
103.3275

■ 42.2440, 23.0731,
2.8658

95.0499, 100.0000,
108.9000

■ 41.6090, 21.9981,
2.0530

Harmonies

Analogous

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



61.1903, 47.8203, 51.2737



58.7333, 47.8203, 33.7384



52.6648, 47.8203, 23.9440

Triad

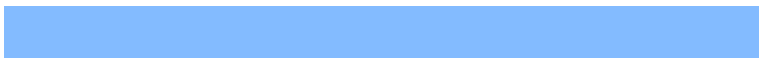
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.7333, 47.8203, 33.7384



34.1097, 47.8203, 34.7848



45.7312, 47.8203, 104.2740

Complementary

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



58.7333, 47.8203, 33.7384



62.4317, 78.1209, 106.3959

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.



38.9293, 47.8203, 96.4519



58.7333, 47.8203, 33.7384



32.6737, 47.8203, 52.8709

Square

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



58.7333, 47.8203, 33.7384



38.4954, 47.8203, 24.4229



34.3405, 47.8203, 76.0634



53.1994, 47.8203, 95.2524

Rectangle

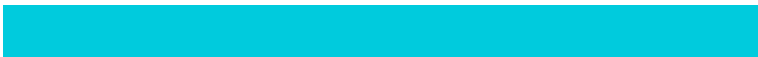
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.7333, 47.8203, 33.7384



47.6796, 47.8203, 21.3219



34.3405, 47.8203, 76.0634



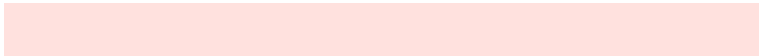
43.2944, 47.8203, 103.5141

Sweetspot

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



58.7345, 47.8227, 33.7393



81.3917, 80.4998, 80.2501



68.0333, 48.6716, 91.5560



16.9739, 16.5896, 16.2450



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.



58.7345, 47.8227, 33.7393



54.0561, 40.9746, 24.4451



70.0001, 70.3538, 37.4945



18.1583, 18.2847, 18.7166



21.7900, 11.5913, 1.0889



2.1686, 1.2227, 0.1217

Inverse Universe

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



62.4317, 78.1209, 106.3959



58.1770, 74.9300, 106.0044



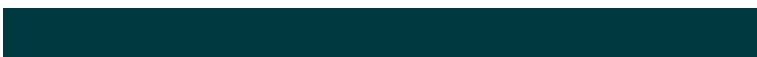
48.5397, 50.3370, 101.7653



18.3874, 20.1464, 23.1695



24.1385, 33.1865, 54.5680



2.3940, 3.3187, 5.3277

Previews

White Background



This preview shows how the XYZ color 58.7333, 47.8203, 33.7384 looks on a white background.

Color Contrast Check

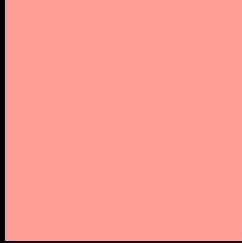
Large Text (above 18pt) WCAG AA × Fail

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 58.7333, 47.8203, 33.7384 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 58.7333, 47.8203, 33.7384

Background



This preview shows how black text looks on a background with the XYZ color 58.7333, 47.8203, 33.7384.



This preview shows how white text looks on a background with the XYZ color 58.7333, 47.8203,

33.7384.

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

58.7333, 47.8203, 33.7384

Protanopia

45.3908, 48.1216, 39.6969

Deuteranopia

49.0751, 48.0568, 33.0749



Tritanopia

60.1035, 47.8270, 42.6229

Trichromacy



Original Color

58.7333, 47.8203, 33.7384



Protanomaly

49.5653, 47.6254, 37.5906



Deuteranomaly

52.1187, 47.6168, 33.2321



Tritanomaly

59.6421, 47.9120, 39.3622

Monochromacy



Original Color

58.7333, 47.8203, 33.7384



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

49.8357, 47.8781, 45.6445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7333, 47.8203, 33.7384 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, 158, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 147)  
}
```

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, 158, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 147) }
```

Border

The CSS property to change the border of an element to XYZ 58.7333, 47.8203, 33.7384 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, 158, 147) }
```


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

```
.border{ border-color:rgb(255, 158, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7333, 47.8203, 33.7384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 147) }
```

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

```
.background{ background-color: rgb(255,  
158, 147) }
```

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