

Converting Colors

XYZ(47.8335, 37.8392, 23.4175)

Have a look what the booklet for
XYZ(47.8335, 37.8392, 23.4175)
contains.

XYZ(47.9235, 37.7842, 23.5061)	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(47.9235, 37.7842,
23.5061)**

Conversions

Conversions Part 1

Format	Color
Hex	EE8A7B
RGB	238, 138, 123
RGB Percent	93%, 54%, 48%
CMY	0.0667, 0.4588, 0.5176
CMYK	0.00, 0.42, 0.48, 0.07
HSL	8°, 77%, 71%
HSV	8°, 48%, 93%
XYZ	47.9235, 37.7842, 23.5061
YIQ	166.1900, 64.4150, 16.5350

Conversions

Conversions Part 2

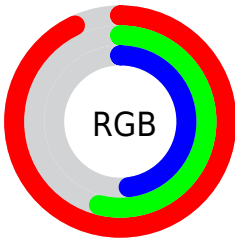
Format	Color
R _Y B	238, 140, 123
Decimal	15633019
CIE Lab	67.86, 36.49, 24.61
CIE LCh	68, 44.013, 33.997
Yxy	37.7842, 0.4388, 0.3460
Android (android.graphics.Color)	4293823099 (0xFFEE8A7B)
YUV	166.1900, -21.2927, 62.9774
Hunter-Lab	61.4689, 31.5950, 20.3553

Details

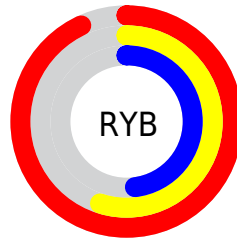
The XYZ color **47.9235, 37.7842, 23.5061** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **49.9870, 63.1560, 90.4443**, and the grayscale version is **36.4164, 38.3129, 41.7227**.

A 20% lighter version of the original color is **68.1464, 62.5345, 49.5530**, and **22.9239, 16.6150, 8.4774** is the 20% darker color. If you saturate the color by 10%, you get **43.9193, 31.8773, 15.6930**, and if you desaturate by 10%, it is **52.8574, 44.9711, 33.4164**.

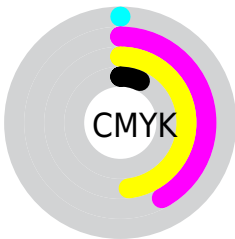
Distribution



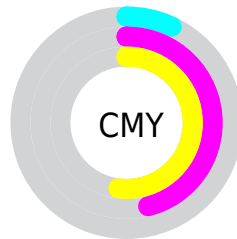
- Red (93%)
- Green (54%)
- Blue (48%)



- Red (93%)
- Yellow (55%)
- Blue (48%)



- Cyan (0%)
- Magenta (42%)
- Yellow (48%)
- Black (7%)





- Cyan (7%)
- Magenta (46%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9235, 37.7842, 23.5061 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 47.9235, 37.7842, 23.5061 by changing the saturation by 10% instead.


 47.9235, 37.7842,
23.5061


 47.9235, 37.7842,
23.5061


369.0765,
336.6933, 283.5196


 33.9773, 25.8152,
14.7588


 86.3009, 71.7773,
50.1567

 23.0390, 16.6855,
8.5056


 111.4628, 94.5701,
68.8971

 14.7431, 10.0105,
4.3277


 141.0939,
121.7398, 91.8057

 8.7245, 5.4059,
1.8068

175.5598,
153.6706, 119.3010

 4.6176, 2.4873,
0.4324

215.2256,
190.7470, 151.8014

 2.0571, 0.8703,
0.0000

260.4567,

 0.6657, 0.0000,

233.3533, 189.7257

0.0000

311.6186,
281.8739, 233.4922

■ 0.0000, 0.0000,
0.0000

■ 47.9235, 37.7842,
23.5061

■ 47.9235, 37.7842,
23.5061

■ 43.9193, 31.8773,
15.6930

■ 52.8574, 44.9711,
33.4164

■ 40.7830, 27.1696,
9.8236

■ 58.7720, 53.5012,
45.5581

■ 38.4498, 23.5798,
5.7268

■ 65.7176, 63.4404,
60.0569

■ 36.8441, 21.0142,
3.2004

■ 73.7405, 74.8487,
77.0283

■ 35.8691, 19.3607,
1.9614

■ 82.8841, 87.7823,
96.5803

■ 35.7512, 19.1600,
1.8139

■ 89.0697, 96.9171,
108.6201

Harmonies

Analogous

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



50.6530, 37.7842, 38.5769



47.9235, 37.7842, 23.5061



41.9765, 37.7842, 15.7696

Triad

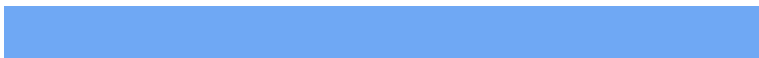
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.9235, 37.7842, 23.5061



25.3656, 37.7842, 26.7697



36.8350, 37.7842, 91.1516

Complementary

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



47.9235, 37.7842, 23.5061



49.9870, 63.1560, 90.4443

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.



30.4630, 37.7842, 84.9878



47.9235, 37.7842, 23.5061



24.3516, 37.7842, 43.8154

Square

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



47.9235, 37.7842, 23.5061



29.0657, 37.7842, 17.1922



26.0978, 37.7842, 65.9261



43.7586, 37.7842, 80.8104

Rectangle

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



47.9235, 37.7842, 23.5061



37.3022, 37.7842, 13.9466



26.0978, 37.7842, 65.9261



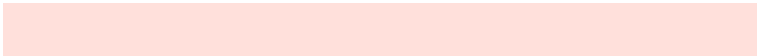
34.5583, 37.7842, 90.9569

Sweetspot

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



47.9244, 37.7861, 23.5068



80.7102, 79.6793, 78.3508



55.8766, 37.7568, 75.2791



16.8512, 16.4509, 15.8752



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.



47.9244, 37.7861, 23.5068



51.4111, 37.3477, 18.4367



58.1082, 58.1537, 26.9014



15.9390, 16.0912, 16.4156



19.9972, 10.7925, 1.0292



1.7159, 1.0026, 0.1031

Inverse Universe

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



49.9870, 63.1560, 90.4443



54.0348, 70.1708, 105.3041



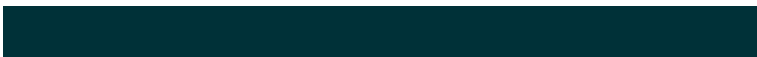
37.4352, 38.0522, 86.2603



16.0612, 17.5565, 20.2638



21.1187, 28.4617, 49.5085



1.8054, 2.4647, 4.1348

Previews

White Background



This preview shows how the XYZ color 47.9235, 37.7842, 23.5061 looks on a white background.

Color Contrast Check

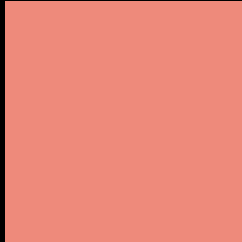
Large Text (above 18pt) WCAG AA × Fail

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 47.9235, 37.7842, 23.5061 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 47.9235, 37.7842, 23.5061

Background



This preview shows how black text looks on a background with the XYZ color 47.9235, 37.7842, 23.5061.



This preview shows how white text looks on a background with the XYZ color 47.9235, 37.7842,

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

47.9235, 37.7842, 23.5061

Protanopia

35.5783, 37.8018, 28.7139

Deuteranopia

38.7539, 37.9985, 22.7447



Tritanopia

49.7100, 37.8975, 31.4830

Trichromacy



Original Color

47.9235, 37.7842, 23.5061

Protanomaly

39.1068, 37.0871, 26.5701

Deuteranomaly

41.6082, 37.4863, 22.8119

Tritanomaly

48.9161, 37.7652, 28.3782

Monochromacy



Original Color

47.9235, 37.7842, 23.5061

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.1317, 37.1854, 33.9692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9235, 37.7842, 23.5061 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(238, 138, 123)` looks like.

```
.text, #text, p{  
    color:rgb(238, 138, 123)  
}
```

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(238, 138, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 138, 123) }
```

Border

The CSS property to change the border of an element to XYZ 47.9235, 37.7842, 23.5061 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(238, 138, 123) }
```


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

```
.border{ border-color:rgb(238, 138, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 138, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 138, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 138, 123);  
box-shadow:4px 4px 4px 4px rgb(238, 138,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9235, 37.7842, 23.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 138, 123) }
```

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

```
.background{ background-color: rgb(238,  
138, 123) }
```

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