

Converting Colors

XYZ(47.7765, 39.0636, 21.8497)

Have a look what the booklet for
XYZ(47.7765, 39.0636, 21.8497)
contains.

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Color

**XYZ(47.7762, 39.0637,
21.8516)**

Conversions

Conversions Part 1

Format	Color
Hex	EC9075
RGB	236, 144, 117
RGB Percent	93%, 56%, 46%
CMY	0.0745, 0.4353, 0.5412
CMYK	0.00, 0.39, 0.50, 0.07
HSL	14°, 76%, 69%
HSV	14°, 50%, 93%
XYZ	47.7762, 39.0637, 21.8516
YIQ	168.4300, 63.4990, 11.1070

Conversions

Conversions Part 2

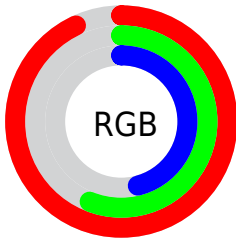
Format	Color
RYB	236, 152, 117
Decimal	15503477
CIELab	68.80, 32.05, 29.11
CIELCh	69, 43.292, 42.249
Yxy	39.0637, 0.4396, 0.3594
Android (android.graphics.Color)	4293693557 (0xFFEC9075)
YUV	168.4300, -25.3550, 59.2589
Hunter-Lab	62.5010, 27.0701, 23.0217

Details

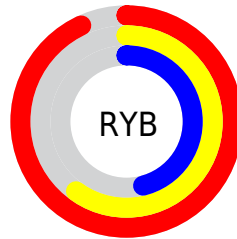
The XYZ color **47.7762, 39.0637, 21.8516** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.2757, 55.4364, 87.6706**, and the grayscale version is **37.5308, 39.4853, 42.9995**.

A 20% lighter version of the original color is **68.8249, 64.9714, 46.4494**, and **23.0020, 17.4188, 7.6187** is the 20% darker color. If you saturate the color by 10%, you get **44.0161, 33.4912, 14.5939**, and if you desaturate by 10%, it is **52.3346, 45.6731, 31.1015**.

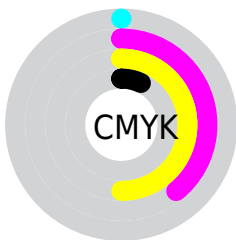
Distribution



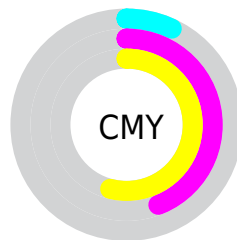
- Red (93%)
- Green (56%)
- Blue (46%)



- Red (93%)
- Yellow (60%)
- Blue (46%)



- Cyan (0%)
- Magenta (39%)
- Yellow (50%)
- Black (7%)



- Cyan (7%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7762, 39.0637, 21.8516 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 47.7762, 39.0637, 21.8516 by changing the saturation by 10% instead.

47.7762, 39.0637,
21.8516

47.7762, 39.0637,
21.8516

368.5017,
342.1612, 274.6985

33.8602, 26.8093,
13.5506

86.0828, 73.7356,
47.3996

22.9486, 17.4300,
7.6736

111.2041, 96.9219,
65.4838

14.6760, 10.5416,
3.8021

140.7913,
124.5210, 87.6661

8.6772, 5.7595,
1.5174

175.2096,
156.9172, 114.3650

4.5866, 2.6994,
0.2308

214.8244,
194.4949, 145.9992

2.0391, 0.9769,
0.0000

260.0012,

0.6558, 0.0000,

237.6385, 182.9872

0.0000

311.1052,
286.7325, 225.7474

■ 0.0000, 0.0000,
0.0000

■ 47.7762, 39.0637,
21.8516

■ 47.7762, 39.0637,
21.8516

■ 44.0161, 33.4912,
14.5939

■ 52.3346, 45.6731,
31.1015

■ 41.0031, 28.8962,
9.1780

■ 57.7324, 53.3632,
42.4746

■ 38.6843, 25.2221,
5.4351

■ 64.0111, 62.1820,
56.0933

■ 36.9978, 22.4033,
3.1641

■ 71.2088, 72.1733,
72.0698

■ 35.8906, 20.4301,
2.0518

■ 79.3611, 83.3782,
90.5090

87.9164, 95.6018,
108.4270

88.4020, 96.5728,
108.5889

Harmonies

Analogous

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



51.5716, 39.0637, 35.0107



47.7762, 39.0637, 21.8516



41.2983, 39.0637, 15.7428

Triad

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



47.7762, 39.0637, 21.8516



25.9280, 39.0637, 32.0225



39.9988, 39.0637, 91.1733

Complementary

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



47.7762, 39.0637, 21.8516



45.2757, 55.4364, 87.6706

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.



33.2500, 39.0637, 89.6214



47.7762, 39.0637, 21.8516



25.6708, 39.0637, 51.0640

Square

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



47.7762, 39.0637, 21.8516



28.9461, 39.0637, 20.2472



28.1941, 39.0637, 73.3314



46.7245, 39.0637, 77.0815

Rectangle

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



47.7762, 39.0637, 21.8516



36.6136, 39.0637, 14.8479



28.1941, 39.0637, 73.3314



37.6489, 39.0637, 92.5619

Sweetspot

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



47.7772, 39.0657, 21.8523



80.7736, 80.3402, 76.7253



52.6133, 35.2197, 65.1395



16.9037, 16.6610, 15.5686



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.



47.7772, 39.0657, 21.8523



52.1429, 39.4278, 16.7796



58.9900, 61.4914, 25.5900



15.3428, 15.6085, 15.7228



19.8637, 11.4217, 1.1577



1.6306, 1.0385, 0.1145

Inverse Universe

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



45.2757, 55.4364, 87.6706



48.7594, 60.9271, 103.7980



33.4978, 31.8805, 83.7447



15.2110, 16.5084, 19.3070



17.7183, 22.0836, 47.0717



1.4621, 1.8756, 3.7198

Previews

White Background



This preview shows how the XYZ color 47.7762, 39.0637, 21.8516 looks on a white background.

Color Contrast Check

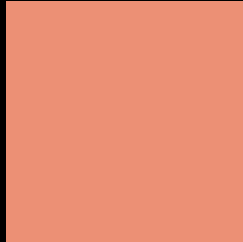
Large Text (above 18pt) WCAG AA × Fail

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 47.7762, 39.0637, 21.8516 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 47.7762, 39.0637, 21.8516

Background



This preview shows how black text looks on a background with the XYZ color 47.7762, 39.0637, 21.8516.



This preview shows how white text looks on a background with the XYZ color 47.7762, 39.0637,

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

47.7762, 39.0637, 21.8516

Protanopia

36.6558, 39.2409, 25.7210

Deuteranopia

39.8695, 39.1222, 21.3696



Tritanopia

50.3342, 39.0180, 33.7325

Trichromacy



Original Color

47.7762, 39.0637, 21.8516

Protanomaly

39.7927, 38.5057, 24.0739

Deuteranomaly

42.5474, 38.9766, 21.5004

Tritanomaly

49.3722, 39.0619, 28.9823

Monochromacy



Original Color

47.7762, 39.0637, 21.8516

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.8153, 38.3037, 33.7286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7762, 39.0637, 21.8516 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(236, 144, 117)` looks like.

```
.text, #text, p{  
    color:rgb(236, 144, 117)  
}
```

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(236, 144, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 144, 117) }
```

Border

The CSS property to change the border of an element to XYZ 47.7762, 39.0637, 21.8516 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(236, 144, 117) }
```


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

```
.border{ border-color:rgb(236, 144, 117) }
```

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

Here you see how a box with a 4 pixel rgb(236, 144, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 144, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 144, 117);  
box-shadow:4px 4px 4px 4px rgb(236, 144,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7762, 39.0637, 21.8516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 144, 117) }
```

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

```
.background{ background-color: rgb(236,  
144, 117) }
```

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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