

Converting Colors

XYZ(47.6519, 44.4637, 18.6412)

Have a look what the booklet for
XYZ(47.6519, 44.4637, 18.6412)
contains.

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Color

**XYZ(47.7130, 44.5626,
18.6571)**

Conversions

Conversions Part 1

Format	Color
Hex	E3A666
RGB	227, 166, 102
RGB Percent	89%, 65%, 40%
CMY	0.1098, 0.3490, 0.6000
CMYK	0.00, 0.27, 0.55, 0.11
HSL	31°, 69%, 65%
HSV	31°, 55%, 89%
XYZ	47.7130, 44.5626, 18.6571
YIQ	176.9430, 56.9000, -6.9720

Conversions

Conversions Part 2

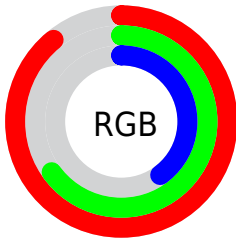
Format	Color
RYB	221, 227, 102
Decimal	14919270
CIELab	72.60, 15.47, 41.68
CIELCh	73, 44.456, 69.639
Yxy	44.5626, 0.4301, 0.4017
Android (android.graphics.Color)	4293109350 (0xFFE3A666)
YUV	176.9430, -36.9469, 43.9000
Hunter-Lab	66.7552, 10.7604, 30.1580

Details

The XYZ color **47.7130, 44.5626, 18.6571** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.4412, 34.5637, 77.6343**, and the grayscale version is **41.9280, 44.1115, 48.0374**.

A 20% lighter version of the original color is **72.9292, 75.3060, 41.2636**, and **22.8084, 20.6165, 6.1454** is the 20% darker color. If you saturate the color by 10%, you get **44.8103, 40.3189, 12.8755**, and if you desaturate by 10%, it is **51.0995, 49.2808, 26.1213**.

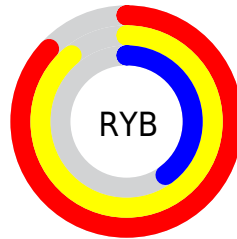
Distribution



Red (89%)

Green (65%)

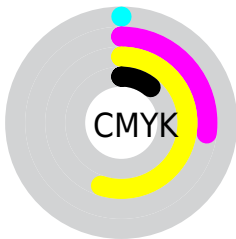
Blue (40%)



Red (87%)

Yellow (89%)

Blue (40%)

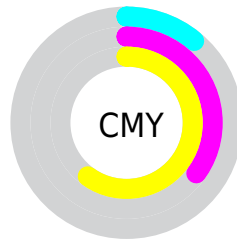


Cyan (0%)

Magenta (27%)

Yellow (55%)

Black (11%)



Cyan (11%)

Magenta (35%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7130, 44.5626, 18.6571 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 47.7130, 44.5626, 18.6571 by changing the saturation by 10% instead.

47.7130, 44.5626,
18.6571

47.7130, 44.5626,
18.6571

368.2550,
364.9992, 256.9085

33.8100, 31.1130,
11.2485

85.9892, 82.0637,
41.9828

22.9098, 20.6849,
6.1179

111.0931,
106.8839, 58.7370

14.6473, 12.8939,
2.8470

140.6614,
136.2633, 79.4434

8.6569, 7.3555,
1.0170

175.0593,
170.5860, 104.5207

4.5734, 3.6854,
0.0000

214.6522,
210.2366, 134.3873

2.0314, 1.4992,
0.0000

259.8056,

0.6515, 0.2882,

255.5994, 169.4617

0.0000

310.8847,
307.0588, 210.1626

■ 0.0000, 0.0000,
0.0000

■ 47.7130, 44.5626,
18.6571

■ 47.7130, 44.5626,
18.6571

■ 44.8103, 40.3189,
12.8755

■ 51.0995, 49.2808,
26.1213

■ 42.3580, 36.5242,
8.6364

■ 54.9937, 54.4845,
35.3875

■ 40.3226, 33.1596,
5.7812

■ 59.4215, 60.1924,
46.5672

■ 38.6627, 30.2008,
4.1144

■ 64.4057, 66.4199,
59.7620

■ 37.9507, 28.8755,
3.5733

■ 69.9680, 73.1815,
75.0663

■ 76.1285, 80.4915,
92.5684

■ 81.9415, 87.9771,
107.2702

■ 85.3669, 94.8279,
108.4120

■ 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



54.7972, 44.5626, 26.2039



47.7130, 44.5626, 18.6571



39.9268, 44.5626, 17.5946

Triad

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



47.7130, 44.5626, 18.6571



29.3827, 44.5626, 55.9650



52.5093, 44.5626, 88.9985

Complementary

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



47.7130, 44.5626, 18.6571



32.4412, 34.5637, 77.6343

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.



44.8806, 44.5626, 103.4109



47.7130, 44.5626, 18.6571



31.9557, 44.5626, 80.8720

Square

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



47.7130, 44.5626, 18.6571



29.9468, 44.5626, 35.2243



37.4147, 44.5626, 100.0549



57.7906, 44.5626, 64.8025

Rectangle

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



47.7130, 44.5626, 18.6571



35.4538, 44.5626, 20.2305



37.4147, 44.5626, 100.0549



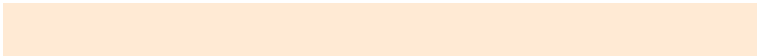
50.0992, 44.5626, 95.4367

Sweetspot

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



47.7141, 44.5648, 18.6580



82.4588, 84.7544, 74.0693



43.1761, 28.5324, 38.5912



17.3626, 17.7843, 15.0880



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.



47.7141, 44.5648, 18.6580



57.8680, 51.7831, 15.8979



61.5457, 72.2280, 23.2685



14.9841, 15.5822, 15.1224



22.2504, 17.0749, 2.1231



1.7372, 1.4477, 0.1879

Inverse Universe

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



32.4412, 34.5637, 77.6343



36.1076, 37.5420, 99.9510



24.0963, 17.8741, 74.8527



14.1605, 15.0424, 18.3015



11.5025, 10.0671, 43.7201



0.9427, 0.9294, 3.2617

Previews

White Background



This preview shows how the XYZ color 47.7130, 44.5626, 18.6571 looks on a white background.

Color Contrast Check

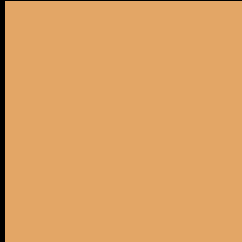
Large Text (above 18pt) WCAG AA × Fail

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 47.7130, 44.5626, 18.6571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

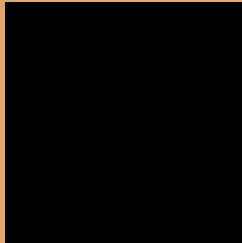
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7130, 44.5626, 18.6571

Background



This preview shows how black text looks on a background with the XYZ color 47.7130, 44.5626, 18.6571.



This preview shows how white text looks on a background with the XYZ color 47.7130, 44.5626,

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

47.7130, 44.5626, 18.6571

Protanopia

41.0799, 44.5044, 20.3350

Deuteranopia

45.6371, 44.5945, 18.5142



Tritanopia

53.0868, 44.6796, 43.8563

Trichromacy



Original Color

47.7130, 44.5626, 18.6571

Protanomaly

43.4180, 44.5574, 19.6767

Deuteranomaly

46.3557, 44.6877, 18.4943

Tritanomaly

50.8107, 44.5230, 32.7038

Monochromacy



Original Color

47.7130, 44.5626, 18.6571

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.9543, 43.6913, 35.0235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7130, 44.5626, 18.6571 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(227, 166, 102)` looks like.

```
.text, #text, p{  
    color:rgb(227, 166, 102)  
}
```

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(227, 166, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 166, 102) }
```

Border

The CSS property to change the border of an element to XYZ 47.7130, 44.5626, 18.6571 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(227, 166, 102) }
```


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

```
.border{ border-color:rgb(227, 166, 102) }
```

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

Here you see how a box with a 4 pixel rgb(227, 166, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 166, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 166, 102);  
box-shadow:4px 4px 4px 4px rgb(227, 166,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7130, 44.5626, 18.6571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 166, 102) }
```

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

```
.background{ background-color: rgb(227,  
166, 102) }
```

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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