

Converting Colors

XYZ(46.9972, 44.0665, 21.7466)

Have a look what the booklet for
XYZ(46.9972, 44.0665, 21.7466)
contains.

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Color

**XYZ(47.0483, 44.1527,
21.6654)**

Conversions

Conversions Part 1

Format	Color
Hex	DFA671
RGB	223, 166, 113
RGB Percent	87%, 65%, 44%
CMY	0.1255, 0.3490, 0.5569
CMYK	0.00, 0.26, 0.49, 0.13
HSL	29°, 63%, 66%
HSV	29°, 49%, 87%
XYZ	47.0483, 44.1527, 21.6654
YIQ	177.0010, 50.9850, -4.3990

Conversions

Conversions Part 2

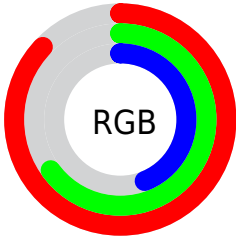
Format	Color
RYB	223, 215, 113
Decimal	14657137
CIELab	72.33, 14.79, 35.53
CIElCh	72, 38.487, 67.403
Yxy	44.1527, 0.4168, 0.3912
Android (android.graphics.Color)	4292847217 (0xFFDFA671)
YUV	177.0010, -31.5525, 40.3411
Hunter-Lab	66.4475, 10.1042, 27.1816

Details

The XYZ color **47.0483, 44.1527, 21.6654** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.5034, 37.5863, 75.2482**, and the grayscale version is **41.9332, 44.1170, 48.0434**.

A 20% lighter version of the original color is **73.9794, 75.7261, 46.7939**, and **22.4598, 20.4041, 7.6051** is the 20% darker color. If you saturate the color by 10%, you get **43.9371, 39.6987, 15.1771**, and if you desaturate by 10%, it is **50.6588, 49.1118, 29.8427**.

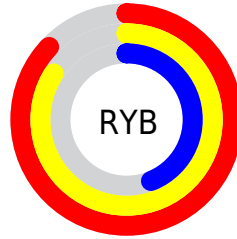
Distribution



Red (87%)

Green (65%)

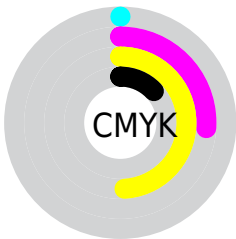
Blue (44%)



Red (87%)

Yellow (84%)

Blue (44%)

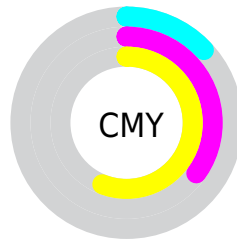


Cyan (0%)

Magenta (26%)

Yellow (49%)

Black (13%)



Cyan (13%)

Magenta (35%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0483, 44.1527, 21.6654 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 47.0483, 44.1527, 21.6654 by changing the saturation by 10% instead.

47.0483, 44.1527,
21.6654

47.0483, 44.1527,
21.6654

365.6530,
363.3310, 273.6902

33.2819, 30.7906,
13.4153

85.0040, 81.4475,
47.0874

22.5028, 20.4394,
7.5811

109.9241,
106.1489, 65.0964

14.3455, 12.7149,
3.7442

139.2928,
135.3989, 87.1955

8.4446, 7.2325,
1.4861

173.4755,
169.5818, 113.8031

4.4349, 3.6079,
0.2075

212.8375,
209.0821, 145.3378

1.9510, 1.4568,
0.0000

257.7441,

0.6062, 0.2580,

254.2842, 182.2182

0.0000

308.5609,
305.5723, 224.8628

■ 0.0000, 0.0000,
0.0000

■ 47.0483, 44.1527,
21.6654

■ 47.0483, 44.1527,
21.6654

■ 43.9371, 39.6987,
15.1771

■ 50.6588, 49.1118,
29.8427

■ 41.2941, 35.7243,
10.2524

■ 54.7909, 54.5874,
39.8169

■ 39.0889, 32.2108,
6.7524


■ 59.4691, 60.5984,
51.6898


■ 37.2852, 29.1352,
4.5119


■ 64.7153, 67.1606,
65.5548


■ 35.8268, 26.4658,
3.2633

■ 70.5500, 74.2890,
81.4990

 35.7367, 26.2986,
3.1926

 76.9928, 81.9982,
99.6045

 81.7074, 89.3602,
107.5495

 84.2413, 94.4279,
108.3942

Harmonies

Analogous

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



52.9091, 44.1527, 29.1602



47.0483, 44.1527, 21.6654



40.3472, 44.1527, 20.2321

Triad

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



47.0483, 44.1527, 21.6654



30.5682, 44.1527, 52.9257



50.1806, 44.1527, 83.2297

Complementary

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



47.0483, 44.1527, 21.6654



34.5034, 37.5863, 75.2482

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.



43.6271, 44.1527, 94.0335



47.0483, 44.1527, 21.6654



32.6462, 44.1527, 73.7864

Square

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



47.0483, 44.1527, 21.6654



31.2787, 44.1527, 35.3859



37.2632, 44.1527, 90.1863



54.8460, 44.1527, 63.4836

Rectangle

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



47.0483, 44.1527, 21.6654



36.3767, 44.1527, 22.4336



37.2632, 44.1527, 90.1863



48.1000, 44.1527, 88.2356

Sweetspot

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



47.0494, 44.1548, 21.6663



83.4922, 85.7773, 77.6314



43.7511, 30.4644, 42.4367



17.5542, 17.9620, 15.7855



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.



47.0494, 44.1548, 21.6663



59.4981, 53.7334, 20.4794



58.8306, 67.7172, 25.5933



14.2495, 14.7850, 14.4095



21.1247, 15.6874, 1.9146



1.5536, 1.2660, 0.1625

Inverse Universe

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



34.5034, 37.5863, 75.2482



40.6542, 43.8585, 100.9306



26.4522, 21.4840, 72.5645



13.5366, 14.4122, 17.4561



11.5868, 10.6431, 42.4920



0.8927, 0.9168, 2.9752

Previews

White Background



This preview shows how the XYZ color 47.0483, 44.1527, 21.6654 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 47.0483, 44.1527, 21.6654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

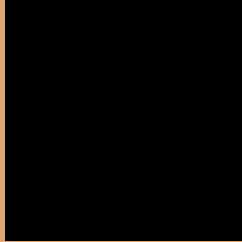
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0483, 44.1527, 21.6654

Background



This preview shows how black text looks on a background with the XYZ color 47.0483, 44.1527, 21.6654.



This preview shows how white text looks on a background with the XYZ color 47.0483, 44.1527,

21.6654.

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

47.0483, 44.1527, 21.6654

Protanopia

41.1827, 44.4863, 23.5557

Deuteranopia

45.0309, 44.2154, 21.4903



Tritanopia

51.7437, 44.2305, 44.3382

Trichromacy



Original Color

47.0483, 44.1527, 21.6654

Protanomaly

43.1903, 44.3704, 22.8110

Deuteranomaly

45.7279, 44.2975, 21.4694

Tritanomaly

49.7894, 44.2114, 34.7636

Monochromacy



Original Color

47.0483, 44.1527, 21.6654

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.0244, 43.6896, 36.7371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0483, 44.1527, 21.6654 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(223, 166, 113)` looks like.

```
.text, #text, p{  
    color:rgb(223, 166, 113)  
}
```

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(223, 166, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 166, 113) }
```

Border

The CSS property to change the border of an element to XYZ 47.0483, 44.1527, 21.6654 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(223, 166, 113) }
```


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

```
.border{ border-color:rgb(223, 166, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 166, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 166, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 166, 113); box-shadow:4px 4px 4px 4px rgb(223, 166, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0483, 44.1527, 21.6654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 166, 113) }
```

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

```
.background{ background-color: rgb(223,  
166, 113) }
```

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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