

Converting Colors

XYZ(46.8641, 46.5306, 22.2880)

Have a look what the booklet for
XYZ(46.8641, 46.5306, 22.2880)
contains.

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Color

**XYZ(46.9825, 46.6266,
22.4432)**

Conversions

Conversions Part 1

Format	Color
Hex	D9AF72
RGB	217, 175, 114
RGB Percent	85%, 69%, 45%
CMY	0.1490, 0.3137, 0.5529
CMYK	0.00, 0.19, 0.47, 0.15
HSL	36°, 58%, 65%
HSV	36°, 47%, 85%
XYZ	46.9825, 46.6266, 22.4432
YIQ	180.6040, 44.6130, -10.0670

Conversions

Conversions Part 2

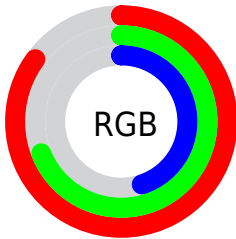
Format	Color
RYB	185, 217, 114
Decimal	14266226
CIELab	73.95, 7.62, 36.94
CIELCh	74, 37.723, 78.343
Yxy	46.6266, 0.4048, 0.4018
Android (android.graphics.Color)	4292456306 (0xFFD9AF72)
YUV	180.6040, -32.8358, 31.9193
Hunter-Lab	68.2837, 3.3203, 28.3114

Details

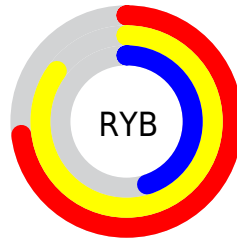
The XYZ color **46.9825, 46.6266, 22.4432** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.3518, 32.3628, 70.2396**, and the grayscale version is **43.8629, 46.1472, 50.2543**.

A 20% lighter version of the original color is **76.5119, 80.6436, 48.0924**, and **22.5056, 22.0097, 7.9126** is the 20% darker color. If you saturate the color by 10%, you get **44.2252, 42.8597, 16.1364**, and if you desaturate by 10%, it is **50.1480, 50.7408, 30.3325**.

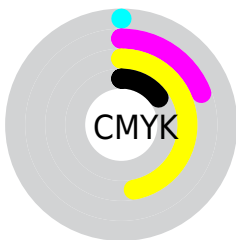
Distribution



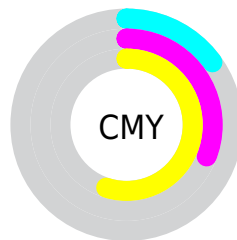
- Red (85%)
- Green (69%)
- Blue (45%)



- Red (73%)
- Yellow (85%)
- Blue (45%)



- Cyan (0%)
- Magenta (19%)
- Yellow (47%)
- Black (15%)





- Cyan (15%)
- Magenta (31%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9825, 46.6266, 22.4432 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 46.9825, 46.6266, 22.4432 by changing the saturation by 10% instead.


 46.9825, 46.6266,
22.4432


 46.9825, 46.6266,
22.4432


365.3947,
373.3221, 277.8807


 33.2297, 32.7406,
13.9815


 84.9064, 85.1560,
48.3890


 22.4626, 21.9278,
7.9692


 109.8082,
110.5681, 66.7101

 14.3157, 13.8038,
3.9877


 139.1571,
140.5911, 89.1548

 8.4237, 7.9844,
1.6186

 173.3184,
175.6093, 116.1416

 4.4213, 4.0849,
0.3041

212.6574,
216.0071, 148.0891

 1.9431, 1.7212,
0.0000

257.5396,

 0.6017, 0.4373,

262.1689, 185.4157

0.0000

308.3303,
314.4791, 228.5401

■ 0.0000, 0.0000,
0.0000

■ 46.9825, 46.6266,
22.4432

■ 46.9825, 46.6266,
22.4432

■ 44.2252, 42.8597,
16.1364

■ 50.1480, 50.7408,
30.3325

■ 41.8494, 39.4208,
11.2978

■ 53.7392, 55.2074,
39.9022

■ 39.8302, 36.2981,
7.8019


■ 57.7768, 60.0397,
51.2455


■ 38.1374, 33.4759,
5.5006


■ 62.2788, 65.2481,
64.4479


■ 36.7306, 30.9343,
4.1930


■ 67.2623, 70.8424,
79.5892

 36.4030, 30.3274,
3.9351

 72.7432, 76.8321,
96.7447

 76.9313, 82.5040,
106.4779

 79.5556, 87.7526,
107.3527

 82.3081, 93.2575,
108.2701

Harmonies

Analogous

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



53.4829, 46.6266, 27.8152



46.9825, 46.6266, 22.4432



40.3697, 46.6266, 23.0984

Triad

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



46.9825, 46.6266, 22.4432



33.1380, 46.6266, 63.3423



54.7013, 46.6266, 79.5872

Complementary

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



46.9825, 46.6266, 22.4432



31.3518, 32.3628, 70.2396

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.



48.5140, 46.6266, 94.6754



46.9825, 46.6266, 22.4432



36.2634, 46.6266, 83.7817

Square

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



46.9825, 46.6266, 22.4432



32.8174, 46.6266, 43.6451



41.7546, 46.6266, 96.3798



58.2313, 46.6266, 58.6275

Rectangle

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



46.9825, 46.6266, 22.4432



36.7671, 46.6266, 26.9034



41.7546, 46.6266, 96.3798



52.8360, 46.6266, 85.7195

Sweetspot

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



46.9836, 46.6288, 22.4441



85.3568, 88.9725, 79.8997



40.7115, 29.2182, 35.3554



17.9762, 18.7010, 16.2502



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.



46.9836, 46.6288, 22.4441



63.7164, 61.7402, 23.2110



53.9798, 64.3108, 25.4884



13.6939, 14.3272, 13.7692



22.1428, 18.5712, 2.4176



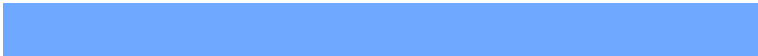
1.5184, 1.3709, 0.1846

Inverse Universe

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



31.3518, 32.3628, 70.2396



38.6085, 38.8556, 100.0727



26.6510, 21.2252, 68.3376



12.7724, 13.4846, 16.5817



9.8157, 7.5008, 40.6689



0.7192, 0.6526, 2.6625

Previews

White Background



This preview shows how the XYZ color 46.9825, 46.6266, 22.4432 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 46.9825, 46.6266, 22.4432 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 46.9825, 46.6266, 22.4432

Background



This preview shows how black text looks on a background with the XYZ color 46.9825, 46.6266, 22.4432.

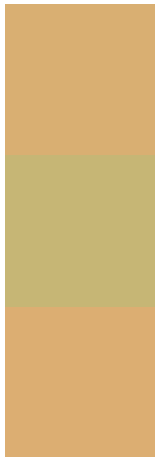


This preview shows how white text looks on a background with the XYZ color 46.9825, 46.6266,

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

46.9825, 46.6266, 22.4432

Protanopia

43.2275, 46.7460, 23.5742

Deuteranopia

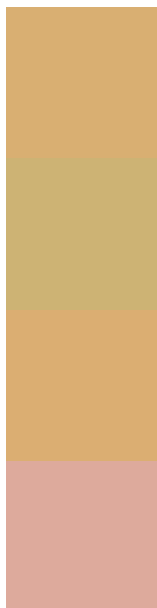
47.6885, 46.7027, 22.4206



Tritanopia

52.4884, 46.6207, 49.4123

Trichromacy



Original Color

46.9825, 46.6266, 22.4432

Protanomaly

44.4493, 46.4803, 23.1519

Deuteranomaly

47.3867, 46.5471, 22.4065

Tritanomaly

50.1943, 46.5219, 37.7866

Monochromacy



Original Color

46.9825, 46.6266, 22.4432

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.4540, 46.1439, 38.4620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9825, 46.6266, 22.4432 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(217, 175, 114)` looks like.

```
.text, #text, p{  
    color:rgb(217, 175, 114)  
}
```

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(217, 175, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 175, 114) }
```

Border

The CSS property to change the border of an element to XYZ 46.9825, 46.6266, 22.4432 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(217, 175, 114) }
```


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

```
.border{ border-color:rgb(217, 175, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 175, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 175, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 175, 114);  
box-shadow:4px 4px 4px 4px rgb(217, 175,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9825, 46.6266, 22.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 175, 114) }
```

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

```
.background{ background-color: rgb(217,  
175, 114) }
```

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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