

Converting Colors

XYZ(42.6750, 46.4884, 19.7651)

Have a look what the booklet for
XYZ(42.6750, 46.4884, 19.7651)
contains.

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Color

**XYZ(42.7798, 46.5975,
19.8362)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B668
RGB	199, 182, 104
RGB Percent	78%, 71%, 41%
CMY	0.2196, 0.2863, 0.5921
CMYK	0.00, 0.09, 0.48, 0.22
HSL	49°, 46%, 59%
HSV	49°, 48%, 78%
XYZ	42.7798, 46.5975, 19.8362
YIQ	178.1910, 35.1700, -20.6540

Conversions

Conversions Part 2

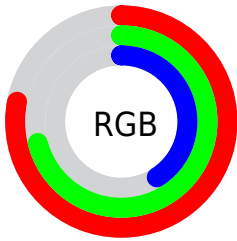
Format	Color
RYB	125, 199, 104
Decimal	13088360
CIELab	73.93, -4.46, 41.68
CIELCh	74, 41.914, 96.102
Yxy	46.5975, 0.3917, 0.4267
Android (android.graphics.Color)	4291278440 (0xFFC7B668)
YUV	178.1910, -36.5762, 18.2495
Hunter-Lab	68.2624, -7.5938, 30.5547

Details

The XYZ color **42.7798, 46.5975, 19.8362** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.8549, 20.7406, 56.8313**, and the grayscale version is **42.5937, 44.8118, 48.8001**.

A 20% lighter version of the original color is **77.9003, 84.8434, 44.1689**, and **19.8438, 21.8065, 6.6532** is the 20% darker color. If you saturate the color by 10%, you get **41.1665, 44.8021, 14.8865**, and if you desaturate by 10%, it is **44.6524, 48.5297, 26.0501**.

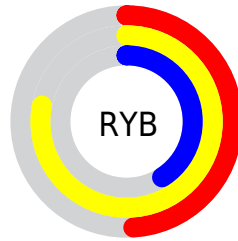
Distribution



Red (78%)

Green (71%)

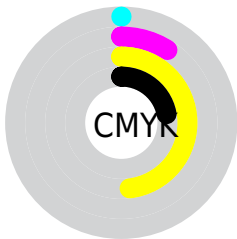
Blue (41%)



Red (49%)

Yellow (78%)

Blue (41%)

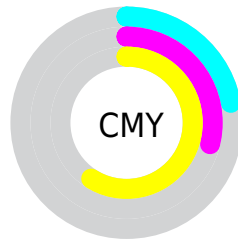


Cyan (0%)

Magenta (9%)

Yellow (48%)

Black (22%)



Cyan (22%)

Magenta (29%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7798, 46.5975, 19.8362 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 42.7798, 46.5975, 19.8362 by changing the saturation by 10% instead.

■ 42.7798, 46.5975,
19.8362

■ 42.7798, 46.5975,
19.8362

348.6423,
373.2056, 263.6018

■ 29.9062, 32.7176,
12.0931

■ 78.6363, 85.1125,
43.9977

■ 19.9151, 21.9102,
6.6838

■ 102.3498,
110.5164, 61.2533

■ 12.4412, 13.7909,
3.1897

■ 130.4073,
140.5304, 82.5168

■ 7.1193, 7.9754,
1.1923

■ 163.1741,
175.5388, 108.2067

■ 3.5838, 4.0792,
0.0000

201.0157,
215.9262, 138.7417

■ 1.4695, 1.7180,
0.0000

244.2974,

■ 0.3049, 0.4352,

262.0769, 174.5401

0.0000

293.3844,
314.3752, 216.0207

■ 0.0000, 0.0000,
0.0000

■ 42.7798, 46.5975,
19.8362

■ 42.7798, 46.5975,
19.8362

■ 41.1665, 44.8021,
14.8865

■ 44.6524, 48.5297,
26.0501

■ 39.7920, 43.1299,
11.1084

■ 46.7966, 50.5987,
33.6065

■ 38.6379, 41.5751,
8.4012


■ 49.2275, 52.8125,
42.5804


■ 37.6816, 40.1285,
6.6458


■ 51.9584, 55.1766,
53.0407


■ 36.8900, 38.7765,
5.6696


■ 55.0017, 57.6961,
65.0517

 36.7214, 38.4788,
5.4917

 58.3689, 60.3760,
78.6739

 62.0710, 63.2207,
93.9646

 64.7696, 65.6950,
103.8744

 65.6610, 67.4779,
104.1716

Harmonies

Analogous

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



50.3682, 46.5975, 21.6502



42.7798, 46.5975, 19.8362



36.3522, 46.5975, 24.2251

Triad

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



42.7798, 46.5975, 19.8362



33.6663, 46.5975, 79.0470



58.7658, 46.5975, 69.2967

Complementary

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



42.7798, 46.5975, 19.8362



22.8549, 20.7406, 56.8313

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.



53.3055, 46.5975, 91.7697



42.7798, 46.5975, 19.8362



38.7207, 46.5975, 98.4171

Square

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



42.7798, 46.5975, 19.8362



31.4851, 46.5975, 55.2375



45.8344, 46.5975, 103.6302



60.1656, 46.5975, 46.4874

Rectangle

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



42.7798, 46.5975, 19.8362



33.4030, 46.5975, 31.0753



45.8344, 46.5975, 103.6302



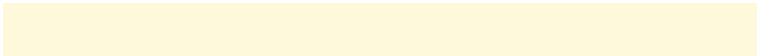
57.3166, 46.5975, 77.3171

Sweetspot

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



42.7809, 46.5997, 19.8372



87.8221, 93.9030, 80.7215



31.9805, 23.4339, 21.0616



18.5799, 19.9084, 16.4514



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.



42.7809, 46.5997, 19.8372



72.0542, 78.4157, 25.9902



39.2665, 50.2720, 20.7312



11.3563, 12.0818, 11.2962



23.6710, 24.8592, 3.5507



1.1642, 1.2639, 0.1826

Inverse Universe

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



22.8549, 20.7406, 56.8313



33.1922, 28.0230, 98.2673



25.1043, 19.0999, 56.3961



10.2076, 10.5892, 13.4234



7.0730, 3.5398, 35.0548



0.3832, 0.2642, 1.6759

Previews

White Background



This preview shows how the XYZ color 42.7798, 46.5975, 19.8362 looks on a white background.

Color Contrast Check

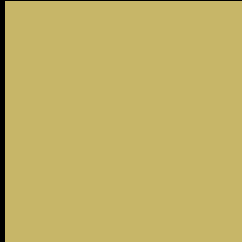
Large Text (above 18pt) WCAG AA × Fail

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 42.7798, 46.5975, 19.8362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

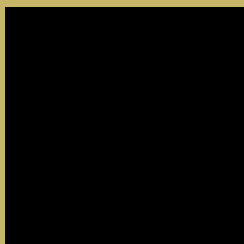
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7798, 46.5975, 19.8362

Background



This preview shows how black text looks on a background with the XYZ color 42.7798, 46.5975, 19.8362.



This preview shows how white text looks on a background with the XYZ color 42.7798, 46.5975,

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

42.7798, 46.5975, 19.8362

Protanopia

42.7798, 46.5975, 19.8362

Deuteranopia

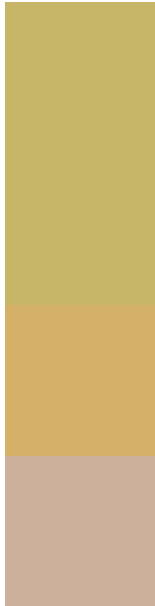
47.3639, 46.2999, 20.0761



Tritanopia

49.3476, 46.3156, 52.7933

Trichromacy



Original Color

42.7798, 46.5975, 19.8362

Protanomaly

42.7798, 46.5975, 19.8362

Deuteranomaly

45.5157, 46.2167, 19.8864

Tritanomaly

46.4279, 46.2883, 37.9400

Monochromacy



Original Color

42.7798, 46.5975, 19.8362

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.9557, 44.9137, 35.7361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7798, 46.5975, 19.8362 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(199, 182, 104)` looks like.

```
.text, #text, p{  
    color:rgb(199, 182, 104)  
}
```

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(199, 182, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 182, 104) }
```

Border

The CSS property to change the border of an element to XYZ 42.7798, 46.5975, 19.8362 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(199, 182, 104) }
```


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

```
.border{ border-color:rgb(199, 182, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 182, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 182, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 182, 104);  
box-shadow:4px 4px 4px 4px rgb(199, 182,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7798, 46.5975, 19.8362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 182, 104) }
```

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

```
.background{ background-color: rgb(199,  
182, 104) }
```

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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