

# Converting Colors

XYZ(42.6849, 46.3186, 27.6700)

Have a look what the booklet for  
XYZ(42.6849, 46.3186, 27.6700)  
contains.

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# Color

**XYZ(42.7495, 46.4051,  
27.8230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1B682
RGB	193, 182, 130
RGB Percent	76%, 71%, 51%
CMY	0.2431, 0.2863, 0.4902
CMYK	0.00, 0.06, 0.33, 0.24
HSL	50°, 34%, 63%
HSV	50°, 33%, 76%
XYZ	42.7495, 46.4051, 27.8230
YIQ	179.3610, 23.2480, -13.8400

# Conversions

## Conversions Part 2

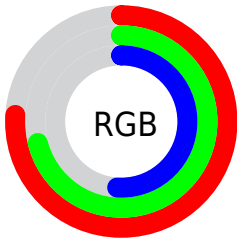
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 193, 130
Decimal	12695170
CIELab	73.81, -4.01, 27.93
CIElCh	74, 28.213, 98.175
Yxy	46.4051, 0.3655, 0.3967
Android (android.graphics.Color)	4290885250 (0xFFC1B682)
YUV	179.3610, -24.3350, 11.9614
Hunter-Lab	68.1213, -7.1946, 23.4689

# Details

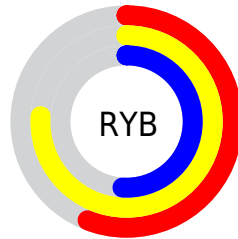
The XYZ color **42.7495, 46.4051, 27.8230** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.3561, 27.6449, 54.2935**, and the grayscale version is **43.1585, 45.4062, 49.4473**.

A 20% lighter version of the original color is **78.5461, 84.8920, 57.0457**, and **19.9457, 21.7687, 10.7399** is the 20% darker color. If you saturate the color by 10%, you get **40.8925, 44.5734, 21.4012**, and if you desaturate by 10%, it is **44.8684, 48.3714, 35.5320**.

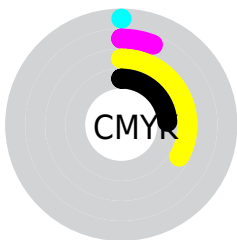
# Distribution



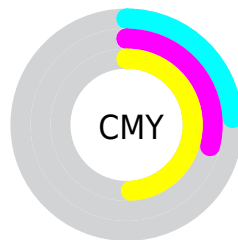
- Red (76%)
- Green (71%)
- Blue (51%)



- Red (56%)
- Yellow (76%)
- Blue (51%)



- Cyan (0%)
- Magenta (6%)
- Yellow (33%)
- Black (24%)



- Cyan (24%)
- Magenta (29%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7495, 46.4051, 27.8230 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 42.7495, 46.4051, 27.8230 by changing the saturation by 10% instead.



■ 42.7495, 46.4051,  
27.8230

■ 42.7495, 46.4051,  
27.8230

348.5196,  
372.4349, 305.5055

■ 29.8823, 32.5656,  
17.9544

■ 78.5908, 84.8249,  
57.2214

■ 19.8969, 21.7939,  
10.7481

■ 102.2956,  
110.1741, 77.5883

■ 12.4279, 13.7055,  
5.7857

■ 130.3436,  
140.1286, 102.2917

■ 7.1101, 7.9161,  
2.6485

163.1002,  
175.0728, 131.7502

■ 3.5780, 4.0413,  
0.9174

200.9307,  
215.3911, 166.3823

■ 1.4663, 1.6967,  
0.0000

244.2006,

■ 0.3027, 0.4215,

261.4680, 206.6065

0.0000

293.2751,  
313.6878, 252.8414

■ 0.0000, 0.0000,  
0.0000

■ 42.7495, 46.4051,  
27.8230

■ 42.7495, 46.4051,  
27.8230

■ 40.8925, 44.5734,  
21.4012

■ 44.8684, 48.3714,  
35.5320

■ 39.2803, 42.8643,  
16.1920

■ 47.2585, 50.4713,  
44.5915

■ 37.8989, 41.2737,  
12.1174


■ 49.9326, 52.7117,  
55.0640

■ 36.7314, 39.7948,  
9.0895


■ 52.9019, 55.0973,  
67.0074


■ 35.7586, 38.4194,  
7.0070

■ 56.1769, 57.6324,  
80.4762


 34.9572, 37.1383,  
5.7486

 59.7674, 60.3211,  
95.5223

 34.4450, 36.2428,  
5.1801

 62.0134, 62.4997,  
103.4029

 62.8309, 64.1346,  
103.6754

 63.6658, 65.8045,  
103.9537

# Harmonies

## Analogous

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



47.7900, 46.4051, 28.9801



42.7495, 46.4051, 27.8230



38.4106, 46.4051, 31.7766

# Triad

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



42.7495, 46.4051, 27.8230



36.9515, 46.4051, 69.5922



53.6786, 46.4051, 61.5066

# Complementary

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



42.7495, 46.4051, 27.8230



28.3561, 27.6449, 54.2935

# 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.



50.3397, 46.4051, 75.4979



42.7495, 46.4051, 27.8230



40.6176, 46.4051, 80.7481

# Square

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



42.7495, 46.4051, 27.8230



35.2329, 46.4051, 54.5573



45.4922, 46.4051, 83.0928



54.3577, 46.4051, 46.7008



# Rectangle

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



42.7495, 46.4051, 27.8230



36.4096, 46.4051, 37.3175



45.4922, 46.4051, 83.0928



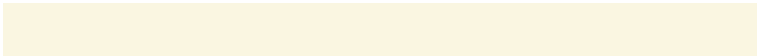
52.8185, 46.4051, 66.5357

# Sweetspot

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



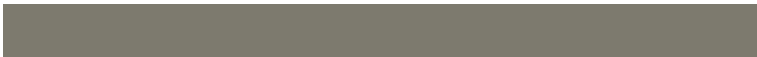
42.7507, 46.4072, 27.8240



85.7825, 91.3681, 84.2844



34.8240, 29.2427, 29.2239



18.2627, 19.4821, 17.5372



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.7507, 46.4072, 27.8240



74.2000, 80.8029, 41.5804



40.3441, 48.6416, 28.3821



10.7591, 11.4496, 10.7048



22.9621, 24.2100, 3.4628



1.0324, 1.1265, 0.1630



# Inverse Universe

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



28.3561, 27.6449, 54.2935



44.5424, 42.1567, 96.1497



30.1772, 26.2954, 53.9370



9.6673, 10.0259, 12.7105



6.8183, 3.3932, 33.8522



0.3394, 0.2362, 1.4776



# Previews

## White Background



This preview shows how the XYZ color 42.7495, 46.4051, 27.8230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

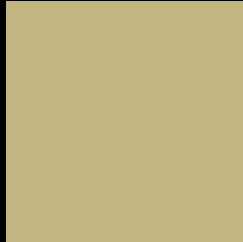
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7495, 46.4051, 27.8230 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 42.7495, 46.4051, 27.8230**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7495, 46.4051, 27.8230.



This preview shows how white text looks on a background with the XYZ color 42.7495, 46.4051,



# 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

42.7495, 46.4051, 27.8230

### Protanopia

43.0588, 46.2616, 27.7790

### Deuteranopia

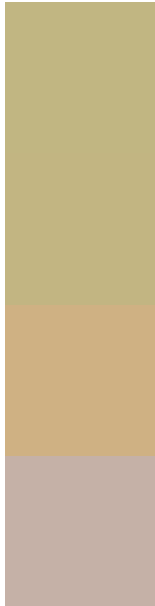
47.3252, 46.3851, 28.2887



## Tritanopia

48.0326, 46.1823, 53.9594

# Trichromacy



## Original Color

42.7495, 46.4051, 27.8230

## Protanomaly

42.8013, 46.1288, 27.7670

## Deuteranomaly

45.5510, 46.3484, 28.0181

## Tritanomaly

45.7231, 46.1046, 43.0484

# Monochromacy



## Original Color

42.7495, 46.4051, 27.8230

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

42.5214, 45.4061, 40.2413

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7495, 46.4051, 27.8230 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(193, 182, 130)` looks like.

```
.text, #text, p{  
    color:rgb(193, 182, 130)  
}
```

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(193, 182, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 182, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7495, 46.4051, 27.8230 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".

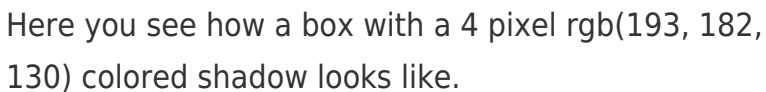
```
.border, #border, table{ border:4px solid rgb(193, 182, 130) }
```



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

```
.border{ border-color:rgb(193, 182, 130) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 182, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 182, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 182, 130); box-shadow:4px 4px 4px 4px rgb(193, 182, 130) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7495, 46.4051, 27.8230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 182, 130) }
```

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

```
.background{ background-color: rgb(193,  
182, 130) }
```

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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