

Converting Colors

XYZ(42.9674, 48.5276, 28.2164)

Have a look what the booklet for
XYZ(42.9674, 48.5276, 28.2164)
contains.

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Color

**XYZ(42.7515, 48.2695,
28.1828)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBC82
RGB	188, 188, 130
RGB Percent	74%, 74%, 51%
CMY	0.2627, 0.2627, 0.4902
CMYK	0.00, 0.00, 0.31, 0.26
HSL	60°, 30%, 62%
HSV	60°, 31%, 74%
XYZ	42.7515, 48.2695, 28.1828
YIQ	181.3880, 18.6180, -18.0380

Conversions

Conversions Part 2

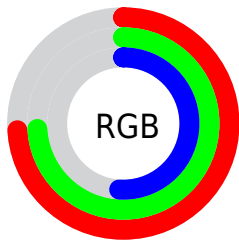
Format	Color
R _{YB}	130, 188, 130
Decimal	12369026
CIE Lab	74.99, -9.12, 29.43
CIE LCh	75, 30.809, 107.222
Yxy	48.2695, 0.3586, 0.4049
Android (android.graphics.Color)	4290559106 (0xFFBCBC82)
YUV	181.3880, -25.3343, 5.7987
Hunter-Lab	69.4763, -11.7453, 24.5826

Details

The XYZ color **42.7515, 48.2695, 28.1828** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.2675, 24.3432, 50.8940**, and the grayscale version is **44.2580, 46.5628, 50.7069**.

A 20% lighter version of the original color is **78.5541, 87.5327, 57.5550**, and **19.9435, 22.9755, 10.9730** is the 20% darker color. If you saturate the color by 10%, you get **41.6033, 47.8119, 22.1330**, and if you desaturate by 10%, it is **44.1328, 48.8237, 35.4490**.

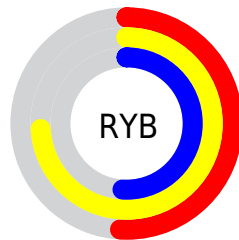
Distribution



Red (74%)

Green (74%)

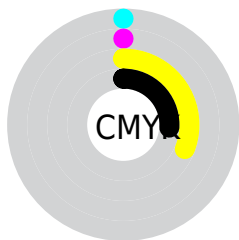
Blue (51%)



Red (51%)

Yellow (74%)

Blue (51%)

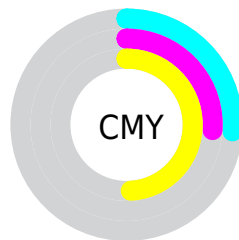


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7515, 48.2695, 28.1828 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 42.7515, 48.2695, 28.1828 by changing the saturation by 10% instead.

■ 42.7515, 48.2695,
28.1828

■ 42.7515, 48.2695,
28.1828

348.5277,
379.8594, 307.2787

■ 29.8839, 34.0404,
18.2233

■ 78.5938, 87.6055,
57.8028

■ 19.8981, 22.9246,
10.9393

■ 102.2991,
113.4812, 78.3003

■ 12.4288, 14.5378,
5.9124

■ 130.3478,
144.0078, 103.1475

■ 7.1107, 8.4957,
2.7239

163.1051,
179.5698, 132.7631

■ 3.5784, 4.4137,
0.9554

200.9363,
220.5516, 167.5654

■ 1.4665, 1.9076,
0.0000

244.2070,

■ 0.3029, 0.5529,

267.3375, 207.9731

0.0000

293.2823,
320.3120, 254.4047

■ 0.0000, 0.0000,
0.0000

■ 42.7515, 48.2695,
28.1828

■ 42.7515, 48.2695,
28.1828

■ 41.6033, 47.8119,
22.1330

■ 44.1328, 48.8237,
35.4490

■ 40.6719, 47.4393,
17.2304

■ 45.7550, 49.4727,
43.9897

■ 39.9448, 47.1484,
13.4034


■ 47.6304, 50.2229,
53.8631


■ 39.4066, 46.9330,
10.5714


■ 49.7690, 51.0783,
65.1227


■ 39.0398, 46.7863,
8.6421


■ 52.1804, 52.0430,
77.8192


 38.8237, 46.6998,
7.5062

 54.8738, 53.1204,
92.0007

 38.7207, 46.6585,
6.9652

 56.7760, 53.8813,
102.0155

 56.7764, 53.8815,
102.0155

 56.7768, 53.8817,
102.0155

Harmonies

Analogous

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



48.3117, 48.2695, 27.7746



42.7515, 48.2695, 28.1828



38.3918, 48.2695, 34.2083

Triad

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



42.7515, 48.2695, 28.1828



38.9208, 48.2695, 78.7176



57.2509, 48.2695, 59.7072

Complementary

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



42.7515, 48.2695, 28.1828



26.2675, 24.3432, 50.8940

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.



54.2807, 48.2695, 76.5157



42.7515, 48.2695, 28.1828



43.5288, 48.2695, 88.9063

Square

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



42.7515, 48.2695, 28.1828



36.3074, 48.2695, 62.2683



49.1548, 48.2695, 88.0268



56.9997, 48.2695, 43.9123

Rectangle

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



42.7515, 48.2695, 28.1828



36.6149, 48.2695, 41.4579



49.1548, 48.2695, 88.0268



56.5865, 48.2695, 65.4795

Sweetspot

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



42.7527, 48.2717, 28.1838



83.4658, 89.8753, 82.5967



32.7525, 28.2695, 24.8501



17.8483, 19.2870, 17.2320



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



42.7527, 48.2717, 28.1838



76.0272, 86.8996, 43.4360



36.3124, 44.9516, 27.8824



10.3222, 11.1205, 10.1791



26.3616, 31.7658, 4.7420



1.0326, 1.2443, 0.1857

Inverse Universe

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



26.2675, 24.3432, 50.8940



41.4141, 36.6583, 91.1192



31.3593, 26.9681, 51.1323



9.0166, 9.2254, 11.9777



6.1803, 2.4722, 32.5443



0.2421, 0.0968, 1.2748

Previews

White Background



This preview shows how the XYZ color 42.7515, 48.2695, 28.1828 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 42.7515, 48.2695, 28.1828 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

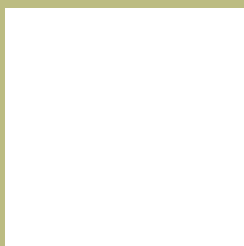
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7515, 48.2695, 28.1828

Background



This preview shows how black text looks on a background with the XYZ color 42.7515, 48.2695, 28.1828.



This preview shows how white text looks on a background with the XYZ color 42.7515, 48.2695,

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

42.7515, 48.2695, 28.1828

Protanopia

44.5900, 47.9816, 27.3333

Deuteranopia

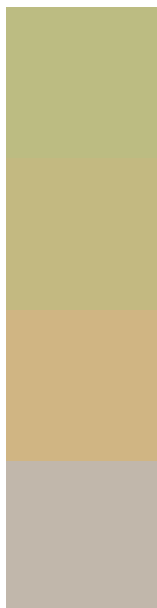
49.1004, 48.1703, 28.5397



Tritanopia

48.8238, 48.2733, 57.7833

Trichromacy



Original Color

42.7515, 48.2695, 28.1828

Protanomaly

43.8171, 47.8850, 27.7022

Deuteranomaly

46.6330, 48.0963, 28.2984

Tritanomaly

46.2765, 48.1447, 45.3819

Monochromacy



Original Color

42.7515, 48.2695, 28.1828

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.4292, 47.0800, 40.9808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7515, 48.2695, 28.1828 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(188, 188, 130)` looks like.

```
.text, #text, p{  
    color:rgb(188, 188, 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(188, 188, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 188, 130) }
```

Border

The CSS property to change the border of an element to XYZ 42.7515, 48.2695, 28.1828 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(188, 188, 130) }
```


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

```
.border{ border-color:rgb(188, 188, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 188, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 188, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 188, 130);  
box-shadow:4px 4px 4px 4px rgb(188, 188,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7515, 48.2695, 28.1828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 188, 130) }
```

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

```
.background{ background-color: rgb(188,  
188, 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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