

Converting Colors

XYZ(46.2111, 47.8630, 28.9932)

Have a look what the booklet for
XYZ(46.2111, 47.8630, 28.9932)
contains.

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Color

**XYZ(46.2111, 47.8630,
28.9932)**

Conversions

Conversions Part 1

Format	Color
Hex	CEB585
RGB	206, 181, 133
RGB Percent	81%, 71%, 52%
CMY	0.1922, 0.2902, 0.4784
CMYK	0.00, 0.12, 0.35, 0.19
HSL	39°, 43%, 66%
HSV	39°, 35%, 81%
XYZ	46.2111, 47.8630, 28.9932
YIQ	183.0030, 30.3080, -9.6280

Conversions

Conversions Part 2

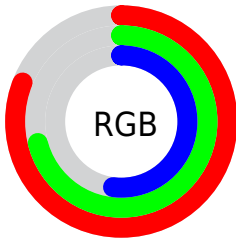
Format	Color
RYB	171, 206, 133
Decimal	13546885
CIELab	74.74, 2.05, 27.78
CIELCh	75, 27.852, 85.781
Yxy	47.8630, 0.3755, 0.3889
Android (android.graphics.Color)	4291736965 (0xFFCEB585)
YUV	183.0030, -24.6515, 20.1684
Hunter-Lab	69.1831, -1.8407, 23.5810

Details

The XYZ color **46.2111, 47.8630, 28.9932** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.0400, 33.8954, 63.1936**, and the grayscale version is **45.1317, 47.4821, 51.7080**.

A 20% lighter version of the original color is **80.3871, 85.3735, 58.6963**, and **22.0430, 22.6422, 11.3922** is the 20% darker color. If you saturate the color by 10%, you get **43.5274, 44.5541, 21.7524**, and if you desaturate by 10%, it is **49.2490, 51.4332, 37.7301**.

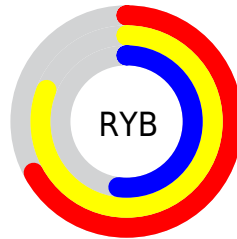
Distribution



Red (81%)

Green (71%)

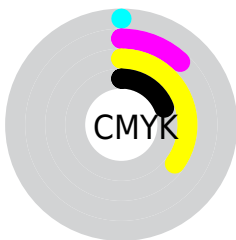
Blue (52%)



Red (67%)

Yellow (81%)

Blue (52%)

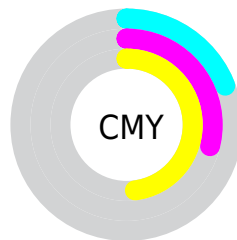


Cyan (0%)

Magenta (12%)

Yellow (35%)

Black (19%)



Cyan (19%)


Magenta (29%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2111, 47.8630, 28.9932 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 46.2111, 47.8630, 28.9932 by changing the saturation by 10% instead.


 46.2111, 47.8630,
28.9932

 46.2111, 47.8630,
28.9932


362.3584,
378.2488, 311.2428


 32.6178, 33.7184,
18.8301


 83.7608, 87.0004,
59.1083

 21.9916, 22.6774,
11.3720


 108.4478,
112.7620, 79.8975

 13.9673, 14.3555,
6.2003


 137.5635,
143.1647, 105.0658

 8.1795, 8.3683,
2.8965

171.4731,
178.5929, 135.0317

 4.2628, 4.3315,
1.0420

210.5421,
219.4310, 170.2138

 1.8518, 1.8607,
0.0000

255.1357,

 0.5486, 0.5246,

266.0635, 211.0307

0.0000

305.6194,
318.8746, 257.9008

■ 0.0000, 0.0000,
0.0000

■ 46.2111, 47.8630,
28.9932

■ 46.2111, 47.8630,
28.9932

■ 43.5274, 44.5541,
21.7524

■ 49.2490, 51.4332,
37.7301

■ 41.1768, 41.4912,
15.9182

■ 52.6535, 55.2662,
48.0399

■ 39.1413, 38.6672,
11.3958

■ 56.4410, 59.3719,
59.9975

■ 37.3995, 36.0716,
8.0775

■ 60.6253, 63.7574,
73.6721

■ 35.9265, 33.6926,
5.8382

■ 65.2200, 68.4296,
89.1290

■ 34.6921, 31.5164,
4.5248

■ 69.9785, 73.2916,
105.0662

■ 34.1826, 30.5799,
4.1009

■ 71.9062, 77.1470,
105.7087

■ 73.9134, 81.1613,
106.3778

■ 76.0009, 85.3364,
107.0736

Harmonies

Analogous

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



51.1795, 47.8630, 32.3211



46.2111, 47.8630, 28.9932



41.3950, 47.8630, 30.8547

Triad

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



46.2111, 47.8630, 28.9932



37.2902, 47.8630, 65.1819



54.0112, 47.8630, 69.3864

Complementary

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



46.2111, 47.8630, 28.9932



33.0400, 33.8954, 63.1936

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.



49.8516, 47.8630, 81.4103



46.2111, 47.8630, 28.9932



40.2429, 47.8630, 78.6844

Square

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



46.2111, 47.8630, 28.9932



36.4720, 47.8630, 50.0937



44.7811, 47.8630, 85.0928



55.8893, 47.8630, 54.1893

Rectangle

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



46.2111, 47.8630, 28.9932



38.8766, 47.8630, 35.0138



44.7811, 47.8630, 85.0928



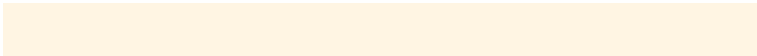
52.8190, 47.8630, 74.0357

Sweetspot

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



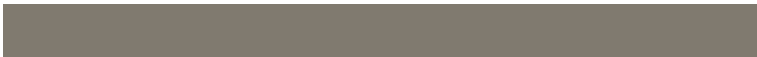
46.2123, 47.8652, 28.9942



87.8705, 92.3477, 85.8305



40.0605, 32.3850, 36.7365



18.6302, 19.5726, 17.8133



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.



46.2123, 47.8652, 28.9942



71.3083, 73.1761, 37.2958



48.8237, 57.4449, 30.7056



11.8178, 12.4246, 11.8548



21.1418, 19.0166, 2.5563



1.1595, 1.1187, 0.1548

Inverse Universe

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



33.0400, 33.8954, 63.1936



46.7005, 47.0950, 101.2366



31.0215, 27.1567, 61.9993



10.9106, 11.4615, 14.2076



8.3110, 5.6459, 36.6080



0.4991, 0.4319, 1.9120

Previews

White Background



This preview shows how the XYZ color 46.2111, 47.8630, 28.9932 looks on a white background.

Color Contrast Check

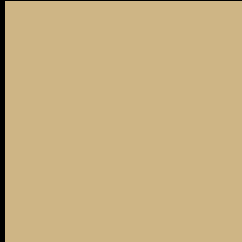
Large Text (above 18pt) WCAG AA × Fail

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 46.2111, 47.8630, 28.9932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

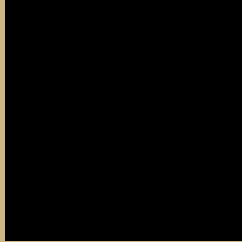
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2111, 47.8630, 28.9932

Background



This preview shows how black text looks on a background with the XYZ color 46.2111, 47.8630, 28.9932.



This preview shows how white text looks on a background with the XYZ color 46.2111, 47.8630,

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

46.2111, 47.8630, 28.9932

Protanopia

44.7323, 48.0080, 29.4631

Deuteranopia

48.7419, 47.6773, 29.1879



Tritanopia

51.2571, 47.8570, 53.5495

Trichromacy



Original Color

46.2111, 47.8630, 28.9932

Protanomaly

45.3240, 48.0057, 29.4315

Deuteranomaly

47.9550, 47.8582, 29.2643

Tritanomaly

49.2755, 47.9359, 43.2147

Monochromacy



Original Color

46.2111, 47.8630, 28.9932

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.0053, 47.2489, 42.3452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2111, 47.8630, 28.9932 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(206, 181, 133)` looks like.

```
.text, #text, p{  
    color:rgb(206, 181, 133)  
}
```

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(206, 181, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 181, 133) }
```

Border

The CSS property to change the border of an element to XYZ 46.2111, 47.8630, 28.9932 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(206, 181, 133) }
```


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

```
.border{ border-color:rgb(206, 181, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 181, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 181, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 181, 133);  
box-shadow:4px 4px 4px 4px rgb(206, 181,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2111, 47.8630, 28.9932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 181, 133) }
```

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

```
.background{ background-color: rgb(206,  
181, 133) }
```

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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