

Converting Colors

XYZ(29.0438, 28.4842, 12.7713)

Have a look what the booklet for
XYZ(29.0438, 28.4842, 12.7713)
contains.

XYZ(29.0438, 28.4842, 12.7713)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.0438, 28.4842,
12.7713)**

Conversions

Conversions Part 1

Format	Color
Hex	B18B56
RGB	177, 139, 86
RGB Percent	69%, 55%, 34%
CMY	0.3059, 0.4549, 0.6627
CMYK	0.00, 0.21, 0.51, 0.31
HSL	35°, 37%, 52%
HSV	35°, 51%, 69%
XYZ	29.0438, 28.4842, 12.7713
YIQ	144.3200, 39.6610, -8.4270

Conversions

Conversions Part 2

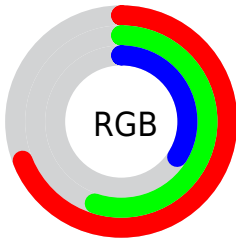
Format	Color
RYB	151, 177, 86
Decimal	11635542
CIELab	60.32, 7.80, 33.69
CIElCh	60, 34.581, 76.973
Yxy	28.4842, 0.4131, 0.4052
Android (android.graphics.Color)	4289825622 (0xFFB18B56)
YUV	144.3200, -28.7518, 28.6604
Hunter-Lab	53.3706, 3.7396, 23.1716

Details

The XYZ color **29.0438, 28.4842, 12.7713** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.9809, 19.5673, 44.3714**, and the grayscale version is **26.7401, 28.1327, 30.6365**.

A 20% lighter version of the original color is **57.6259, 57.1676, 31.6641**, and **11.9646, 11.4288, 3.4948** is the 20% darker color. If you saturate the color by 10%, you get **27.3831, 26.1662, 9.1245**, and if you desaturate by 10%, it is **30.9549, 31.0203, 17.3734**.

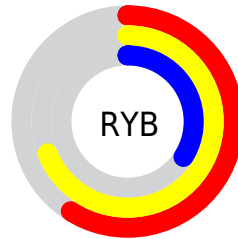
Distribution



Red (69%)

Green (55%)

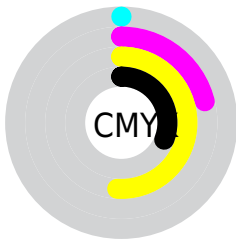
Blue (34%)



Red (59%)

Yellow (69%)

Blue (34%)

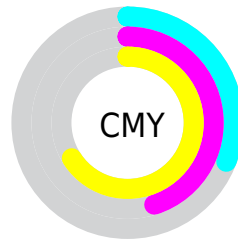


Cyan (0%)

Magenta (21%)

Yellow (51%)

Black (31%)



Cyan (31%)


Magenta (45%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0438, 28.4842, 12.7713 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 29.0438, 28.4842, 12.7713 by changing the saturation by 10% instead.


 29.0438, 28.4842,
12.7713


 29.0438, 28.4842,
12.7713


289.4120,
294.7734, 220.6028

 19.2584, 18.6910,
7.1424


 57.5437, 57.2566,
31.5774

 11.9623, 11.4472,
3.4715


 76.9890, 77.0045,
45.5917


 6.7900, 6.3685,
1.3401


 100.3849,
100.8395, 63.2382

 3.3763, 3.0704,
0.0944

 128.0969,
129.1458, 84.9355

 1.3557, 1.1686,
0.0000

 160.4902,
162.3080, 111.1021

 0.2243, 0.0358,
0.0000

197.9303,

 0.0000, 0.0000,

200.7104, 142.1564

0.0000

240.7824,
244.7374, 178.5172

■ 29.0438, 28.4842,
12.7713

■ 29.0438, 28.4842,
12.7713

■ 27.3831, 26.1662,
9.1245

■ 30.9549, 31.0203,
17.3734

■ 25.9559, 24.0541,
6.3610

■ 33.1275, 33.7779,
22.9923

■ 24.7465, 22.1401,
4.4008

■ 35.5747, 36.7654,
29.6864

■ 23.7351, 20.4142,
3.1489

■ 38.3077, 39.9895,
37.5092

■ 22.9912, 19.0666,
2.4685

■ 41.3372, 43.4564,
46.5104

■ 44.6734, 47.1722,
56.7369

■ 48.3256, 51.1426,
68.2328

■ 52.3031, 55.3731,
81.0404

■ 56.6145, 59.8692,
95.1996

Harmonies

Analogous

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



33.3268, 28.4842, 16.3540



29.0438, 28.4842, 12.7713



24.6568, 28.4842, 13.0140

Triad

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



29.0438, 28.4842, 12.7713



19.7011, 28.4842, 38.7137



33.8065, 28.4842, 50.8689

Complementary

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



29.0438, 28.4842, 12.7713



18.9809, 19.5673, 44.3714

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.



29.6429, 28.4842, 60.7707



29.0438, 28.4842, 12.7713



21.6557, 28.4842, 52.5425

Square

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



29.0438, 28.4842, 12.7713



19.5783, 28.4842, 25.8230



25.1942, 28.4842, 61.4556



36.2721, 28.4842, 36.8589

Rectangle

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



29.0438, 28.4842, 12.7713



22.2564, 28.4842, 15.2943



25.1942, 28.4842, 61.4556



32.5397, 28.4842, 54.9370

Sweetspot

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



29.0445, 28.4856, 12.7719



66.6643, 69.3491, 61.5464



25.1888, 17.4947, 21.5970



14.2290, 14.7718, 12.7133



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.0445, 28.4856, 12.7719



48.5931, 46.2146, 15.4210



34.1820, 40.7666, 14.8716



8.8937, 9.3000, 8.9789



16.7190, 13.9365, 1.8088



0.5821, 0.5506, 0.0756

Inverse Universe

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



18.9809, 19.5673, 44.3714



28.5379, 28.4714, 78.4867



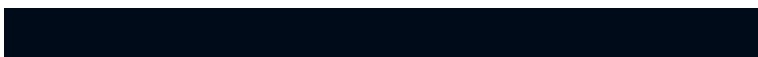
15.6841, 12.1090, 43.1055



8.3238, 8.7938, 10.7650



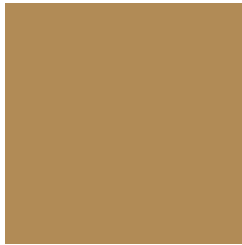
7.5766, 5.9536, 30.8868



0.2966, 0.3037, 0.9912

Previews

White Background



This preview shows how the XYZ color 29.0438, 28.4842, 12.7713 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0438, 28.4842, 12.7713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

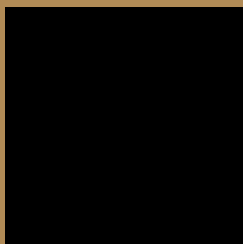
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.0438, 28.4842, 12.7713

Background



This preview shows how black text looks on a background with the XYZ color 29.0438, 28.4842, 12.7713.



This preview shows how white text looks on a background with the XYZ color 29.0438, 28.4842,

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

29.0438, 28.4842, 12.7713

Protanopia

26.3384, 28.6333, 13.3711

Deuteranopia

29.0438, 28.4842, 12.7713



Tritanopia

32.4252, 28.4006, 29.3641

Trichromacy



Original Color

29.0438, 28.4842, 12.7713

Protanomaly

27.2686, 28.4400, 13.0691

Deuteranomaly

29.0438, 28.4842, 12.7713

Tritanomaly

30.9992, 28.4364, 22.2673

Monochromacy



Original Color

29.0438, 28.4842, 12.7713

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.9585, 27.8440, 22.6925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0438, 28.4842, 12.7713 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(177, 139, 86)` looks like.

```
.text, #text, p{  
    color:rgb(177, 139, 86)  
}
```

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(177, 139, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 139, 86) }
```

Border

The CSS property to change the border of an element to XYZ 29.0438, 28.4842, 12.7713 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(177, 139, 86) }
```


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

```
.border{ border-color:rgb(177, 139, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 139, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 139, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 139, 86);  
box-shadow:4px 4px 4px 4px rgb(177, 139,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0438, 28.4842, 12.7713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 139, 86) }
```

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

```
.background{ background-color: rgb(177,  
139, 86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor