

Converting Colors

XYZ(29.8937, 30.4843, 18.2462)

Have a look what the booklet for
XYZ(29.8937, 30.4843, 18.2462)
contains.

XYZ(29.8821, 30.5869, 18.2388)	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(29.8821, 30.5869,
18.2388)**

Conversions

Conversions Part 1

Format	Color
Hex	AB936B
RGB	171, 147, 107
RGB Percent	67%, 58%, 42%
CMY	0.3294, 0.4235, 0.5804
CMYK	0.00, 0.14, 0.37, 0.33
HSL	38°, 28%, 55%
HSV	38°, 37%, 67%
XYZ	29.8821, 30.5869, 18.2388
YIQ	149.6160, 27.1440, -7.3520

Conversions

Conversions Part 2

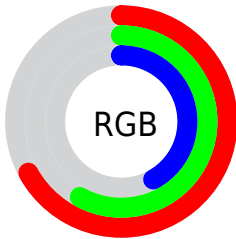
Format	Color
RYB	145, 171, 107
Decimal	11244395
CIELab	62.16, 3.10, 24.50
CIELCh	62, 24.700, 82.788
Yxy	30.5869, 0.3797, 0.3886
Android (android.graphics.Color)	4289434475 (0xFFAB936B)
YUV	149.6160, -21.0097, 18.7538
Hunter-Lab	55.3054, -0.3391, 19.1610

Details

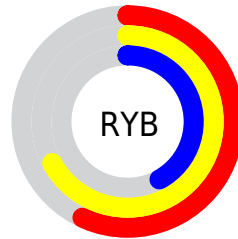
The XYZ color **29.8821, 30.5869, 18.2388** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.5301, 22.2978, 41.6971**, and the grayscale version is **28.9055, 30.4108, 33.1173**.

A 20% lighter version of the original color is **58.8232, 60.6074, 41.3990**, and **12.4002, 12.6471, 5.9252** is the 20% darker color. If you saturate the color by 10%, you get **28.1008, 28.3244, 13.6369**, and if you desaturate by 10%, it is **31.8985, 33.0346, 23.7975**.

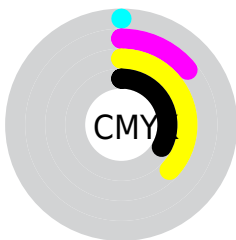
Distribution



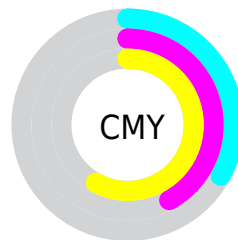
- Red (67%)
- Green (58%)
- Blue (42%)



- Red (57%)
- Yellow (67%)
- Blue (42%)



- Cyan (0%)
- Magenta (14%)
- Yellow (37%)
- Black (33%)



- Cyan (33%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8821, 30.5869, 18.2388 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 29.8821, 30.5869, 18.2388 by changing the saturation by 10% instead.

■ 29.8821, 30.5869,
18.2388

■ 29.8821, 30.5869,
18.2388

293.2742,
304.6306, 254.4948

■ 19.8967, 20.2845,
10.9504

■ 58.8636, 60.5891,
41.2632

■ 12.4278, 12.6020,
5.9197

■ 78.5904, 81.0577,
57.8363

■ 7.1100, 7.1551,
2.7283

■ 102.2951,
105.6838, 78.3413

■ 3.5779, 3.5593,
0.9576

■ 130.3431,
134.8517, 103.1969

■ 1.4663, 1.4302,
0.0000

163.0996,
168.9460, 132.8214

■ 0.3027, 0.2388,
0.0000

200.9301,

■ 0.0000, 0.0000,

208.3510, 167.6336

0.0000

244.1998,
253.4511, 208.0519

■ 29.8821, 30.5869,
18.2388

■ 29.8821, 30.5869,
18.2388

■ 28.1008, 28.3244,
13.6369

■ 31.8985, 33.0346,
23.7975

■ 26.5408, 26.2368,
9.9342

■ 34.1581, 35.6688,
30.3623

■ 25.1903, 24.3190,
7.0696

■ 36.6717, 38.4962,
37.9816

■ 24.0353, 22.5639,
4.9735

■ 39.4484, 41.5219,
46.6997

■ 23.0594, 20.9635,
3.5651

■ 42.4970, 44.7507,
56.5588

■ 22.2380, 19.5062,
2.7194

■ 45.8258, 48.1872,
67.5984

■ 22.0404, 19.1496,
2.5346

■ 49.4426, 51.8359,
79.8564

■ 53.3552, 55.7008,
93.3689

■ 56.6058, 59.4004,
103.0897

Harmonies

Analogous

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



33.1132, 30.5869, 20.7443



29.8821, 30.5869, 18.2388



26.6648, 30.5869, 19.1123

Triad

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



29.8821, 30.5869, 18.2388



23.5660, 30.5869, 40.9129



34.4678, 30.5869, 45.6525

Complementary

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



29.8821, 30.5869, 18.2388



21.5301, 22.2978, 41.6971

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.



31.6197, 30.5869, 53.2021



29.8821, 30.5869, 18.2388



25.3736, 30.5869, 50.1218

Square

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



29.8821, 30.5869, 18.2388



23.1782, 30.5869, 31.0574



28.2765, 30.5869, 54.9770



35.8886, 30.5869, 35.6563

Rectangle

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



29.8821, 30.5869, 18.2388



24.9409, 30.5869, 21.5909



28.2765, 30.5869, 54.9770



33.6357, 30.5869, 48.6328

Sweetspot

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



29.8829, 30.5883, 18.2394



63.9265, 66.9955, 62.6541



26.1854, 20.8268, 24.3028



14.1237, 14.7919, 13.5707



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.8829, 30.5883, 18.2394



50.8200, 51.3670, 25.6544



32.4305, 38.0302, 19.5416



8.4065, 8.8178, 8.4723



16.6670, 14.5395, 1.9280



0.5139, 0.5050, 0.0704

Inverse Universe

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



21.5301, 22.2978, 41.6971



33.6686, 34.3554, 73.8586



19.6089, 17.0648, 40.7883



7.8157, 8.2309, 10.1295



6.9754, 5.0847, 29.6583



0.2476, 0.2485, 0.8429

Previews

White Background



This preview shows how the XYZ color 29.8821, 30.5869, 18.2388 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 29.8821, 30.5869, 18.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

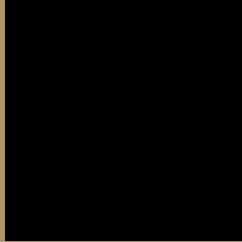
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8821, 30.5869, 18.2388

Background



This preview shows how black text looks on a background with the XYZ color 29.8821, 30.5869, 18.2388.



This preview shows how white text looks on a background with the XYZ color 29.8821, 30.5869,

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

29.8821, 30.5869, 18.2388

Protanopia

28.5134, 30.5768, 18.5864

Deuteranopia

31.2704, 30.6129, 18.4481



Tritanopia

33.0969, 30.5469, 33.8575

Trichromacy



Original Color

29.8821, 30.5869, 18.2388

Protanomaly

28.9713, 30.5769, 18.5623

Deuteranomaly

30.7367, 30.5636, 18.4667

Tritanomaly

31.7220, 30.4212, 27.4925

Monochromacy



Original Color

29.8821, 30.5869, 18.2388

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.1511, 30.4852, 26.9021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8821, 30.5869, 18.2388 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(171, 147, 107)` looks like.

```
.text, #text, p{  
    color:rgb(171, 147, 107)  
}
```

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(171, 147, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 147, 107) }
```

Border

The CSS property to change the border of an element to XYZ 29.8821, 30.5869, 18.2388 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(171, 147, 107) }
```


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

```
.border{ border-color:rgb(171, 147, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 147, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 147, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 147, 107);  
box-shadow:4px 4px 4px 4px rgb(171, 147,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8821, 30.5869, 18.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 147, 107) }
```

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

```
.background{ background-color: rgb(171,  
147, 107) }
```

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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