

Converting Colors

XYZ(29.4555, 30.1186, 19.0128)

Have a look what the booklet for
XYZ(29.4555, 30.1186, 19.0128)
contains.

XYZ(29.4555, 30.1186, 19.0128)	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(29.4555, 30.1186,
19.0128)**

Conversions

Conversions Part 1

Format	Color
Hex	A9926E
RGB	169, 146, 110
RGB Percent	66%, 57%, 43%
CMY	0.3373, 0.4274, 0.5686
CMYK	0.00, 0.14, 0.35, 0.34
HSL	37°, 26%, 55%
HSV	37°, 35%, 66%
XYZ	29.4555, 30.1186, 19.0128
YIQ	148.7730, 25.2640, -6.3200

Conversions

Conversions Part 2

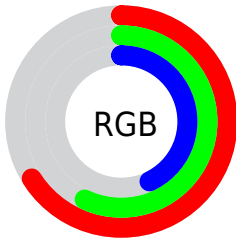
Format	Color
RYB	148, 169, 110
Decimal	11113070
CIELab	61.76, 3.20, 22.28
CIELCh	62, 22.505, 81.817
Yxy	30.1186, 0.3748, 0.3833
Android (android.graphics.Color)	4289303150 (0xFFA9926E)
YUV	148.7730, -19.1151, 17.7391
Hunter-Lab	54.8804, -0.2359, 17.8758

Details

The XYZ color **29.4555, 30.1186, 19.0128** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.9790, 22.9537, 40.8081**, and the grayscale version is **28.5426, 30.0291, 32.7017**.

A 20% lighter version of the original color is **58.2272, 59.9247, 42.6801**, and **12.2548, 12.4265, 6.3101** is the 20% darker color. If you saturate the color by 10%, you get **27.6356, 27.8135, 14.2914**, and if you desaturate by 10%, it is **31.5109, 32.6137, 24.6792**.

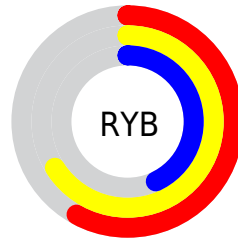
Distribution



Red (66%)

Green (57%)

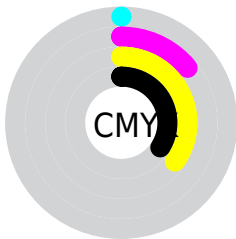
Blue (43%)



Red (58%)

Yellow (66%)

Blue (43%)

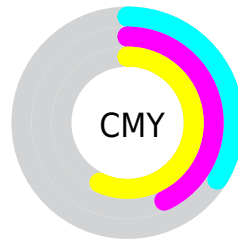


Cyan (0%)

Magenta (14%)

Yellow (35%)

Black (34%)



Cyan (34%)

Magenta (43%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4555, 30.1186, 19.0128 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 29.4555, 30.1186, 19.0128 by changing the saturation by 10% instead.


 29.4555, 30.1186,
19.0128


 29.4555, 30.1186,
19.0128


291.3137,
302.4569, 258.9445


 19.5717, 19.9286,
11.5026


 58.1926, 59.8497,
42.5927


 12.1905, 12.3432,
6.2876


 77.7765, 80.1596,
59.4995

 6.9467, 6.9778,
2.9491


 101.3246,
104.6116, 80.3756

 3.4748, 3.4482,
1.0687

 129.2021,
133.5901, 105.6396

 1.4095, 1.3700,
0.0000

161.7744,
167.4795, 135.7099

 0.2630, 0.1944,
0.0000

199.4069,

 0.0000, 0.0000,

206.6641, 171.0051

0.0000

242.4648,
251.5285, 211.9438

■ 29.4555, 30.1186,
19.0128

■ 29.4555, 30.1186,
19.0128

■ 27.6356, 27.8135,
14.2914

■ 31.5109, 32.6137,
24.6792

■ 26.0380, 25.6884,
10.4602

■ 33.8098, 35.3002,
31.3376

■ 24.6515, 23.7381,
7.4614


■ 36.3624, 38.1848,
39.0341


■ 23.4626, 21.9556,
5.2296


■ 39.1777, 41.2726,
47.8113


■ 22.4560, 20.3333,
3.6895


■ 42.2640, 44.5684,
57.7095


 21.6132, 18.8618,
2.7485

 45.6296, 48.0767,
68.7667

 21.2254, 18.1615,
2.3868

 49.2820, 51.8020,
81.0194

 53.2287, 55.7487,
94.5023

 56.3121, 59.4549,
103.1157

Harmonies

Analogous

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



32.3416, 30.1186, 21.4501



29.4555, 30.1186, 19.0128



26.5368, 30.1186, 19.7271

Triad

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



29.4555, 30.1186, 19.0128



23.6000, 30.1186, 39.3226



33.4031, 30.1186, 44.0994

Complementary

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



29.4555, 30.1186, 19.0128



21.9790, 22.9537, 40.8081

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.



30.8239, 30.1186, 50.6399



29.4555, 30.1186, 19.0128



25.2080, 30.1186, 47.5638

Square

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



29.4555, 30.1186, 19.0128



23.2899, 30.1186, 30.4990



27.8138, 30.1186, 52.0076



34.7225, 30.1186, 35.2014

Rectangle

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



29.4555, 30.1186, 19.0128



24.9515, 30.1186, 21.9613



27.8138, 30.1186, 52.0076



32.6464, 30.1186, 46.7065

Sweetspot

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



29.4563, 30.1200, 19.0134



62.6571, 65.6205, 62.4095



26.2135, 21.2972, 25.1377



13.5240, 14.1522, 13.2043



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.4563, 30.1200, 19.0134



50.1635, 50.6766, 27.2827



32.1272, 37.2987, 20.2583



7.8977, 8.2755, 7.9703



15.8724, 13.6420, 1.7966



0.4337, 0.4269, 0.0595

Inverse Universe

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



21.9790, 22.9537, 40.8081



34.7208, 35.8847, 72.3215



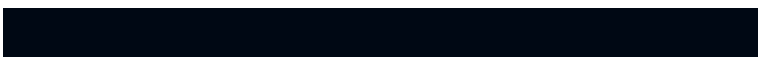
19.9268, 17.7229, 39.9066



7.3626, 7.7622, 9.5285



6.8326, 5.1254, 28.6047



0.2162, 0.2245, 0.7126

Previews

White Background



This preview shows how the XYZ color 29.4555, 30.1186, 19.0128 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 29.4555, 30.1186, 19.0128 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 29.4555, 30.1186, 19.0128

Background



This preview shows how black text looks on a background with the XYZ color 29.4555, 30.1186, 19.0128.



This preview shows how white text looks on a background with the XYZ color 29.4555, 30.1186,

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

29.4555, 30.1186, 19.0128

Protanopia

28.1139, 30.1162, 19.3702

Deuteranopia

30.5962, 30.0227, 19.2213



Tritanopia

32.4196, 29.9892, 33.3580

Trichromacy



Original Color

29.4555, 30.1186, 19.0128

Protanomaly

28.5634, 30.1140, 19.3461

Deuteranomaly

30.0761, 29.9785, 19.2402

Tritanomaly

31.1302, 29.8942, 27.4220

Monochromacy



Original Color

29.4555, 30.1186, 19.0128

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.6734, 29.9970, 27.2004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4555, 30.1186, 19.0128 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(169, 146, 110)` looks like.

```
.text, #text, p{  
    color:rgb(169, 146, 110)  
}
```

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(169, 146, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 146, 110) }
```

Border

The CSS property to change the border of an element to XYZ 29.4555, 30.1186, 19.0128 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(169, 146, 110) }
```


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

```
.border{ border-color:rgb(169, 146, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 146, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 146, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 146, 110);  
box-shadow:4px 4px 4px 4px rgb(169, 146,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4555, 30.1186, 19.0128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 146, 110) }
```

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

```
.background{ background-color: rgb(169,  
146, 110) }
```

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