

# Converting Colors

XYZ(29.9561, 29.4236, 11.3082)

Have a look what the booklet for  
XYZ(29.9561, 29.4236, 11.3082)  
contains.

<b>XYZ(29.9561, 29.4236, 11.3082)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(29.9561, 29.4236,  
11.3082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B58D4E
RGB	181, 141, 78
RGB Percent	71%, 55%, 31%
CMY	0.2902, 0.4470, 0.6941
CMYK	0.00, 0.22, 0.57, 0.29
HSL	37°, 41%, 51%
HSV	37°, 57%, 71%
XYZ	29.9561, 29.4236, 11.3082
YIQ	145.7780, 44.0630, -11.1130

# Conversions

## Conversions Part 2

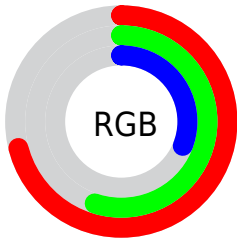
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 181, 78
Decimal	11898190
CIE <sub>Lab</sub>	61.15, 7.71, 39.01
CIE <sub>LCh</sub>	61, 39.768, 78.825
Yxy	29.4236, 0.4238, 0.4162
Android (android.graphics.Color)	4290088270 (0xFFB58D4E)
YUV	145.7780, -33.4146, 30.8897
Hunter-Lab	54.2435, 3.6508, 25.6102

# Details

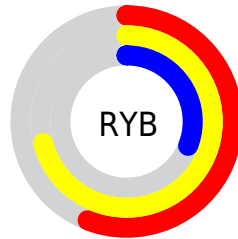
The XYZ color **29.9561, 29.4236, 11.3082** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.9605, 17.9120, 46.2266**, and the grayscale version is **27.3512, 28.7756, 31.3366**.

A 20% lighter version of the original color is **58.8508, 58.5193, 28.9625**, and **12.4329, 11.9359, 2.8769** is the 20% darker color. If you saturate the color by 10%, you get **28.3909, 27.1927, 8.0137**, and if you desaturate by 10%, it is **31.7671, 31.8604, 15.5663**.

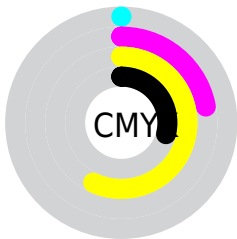
# Distribution



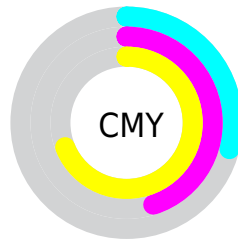
- Red (71%)
- Green (55%)
- Blue (31%)



- Red (56%)
- Yellow (71%)
- Blue (31%)



- Cyan (0%)
- Magenta (22%)
- Yellow (57%)
- Black (29%)




- Cyan (29%)
- Magenta (45%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9561, 29.4236, 11.3082 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 29.9561, 29.4236, 11.3082 by changing the saturation by 10% instead.





 29.9561, 29.4236,  
11.3082


 29.9561, 29.4236,  
11.3082


293.6133,  
299.2084, 210.5827


 19.9532, 19.4015,  
6.1578


 58.9799, 58.7494,  
28.8740

 12.4691, 11.9607,  
2.8709


 78.7314, 78.8220,  
42.1264


 7.1384, 6.7170,  
1.0291


 102.4632,  
103.0134, 58.9166

 3.5959, 3.2857,  
0.0000

 130.5406,  
131.7082, 79.6631

 1.4762, 1.2827,  
0.0000

 163.3289,  
165.2907, 104.7844

 0.3095, 0.1277,  
0.0000

201.1936,

 0.0000, 0.0000,

204.1453, 134.6991

0.0000

244.4999,  
248.6564, 169.8257

■ 29.9561, 29.4236,  
11.3082

■ 29.9561, 29.4236,  
11.3082

■ 28.3909, 27.1927,  
8.0137

■ 31.7671, 31.8604,  
15.5663

■ 27.0531, 25.1549,  
5.6015

■ 33.8363, 34.5064,  
20.8569

■ 25.9246, 23.3021,  
3.9794

■ 36.1777, 37.3703,  
27.2446

■ 24.9797, 21.6221,  
3.0178

■ 38.8034, 40.4587,  
34.7882

■ 24.7095, 21.1308,  
2.7763

■ 41.7248, 43.7778,  
43.5421

■ 44.9526, 47.3337,  
53.5575

■ 48.4969, 51.1321,  
64.8824

■ 52.3674, 55.1785,  
77.5623

■ 56.5732, 59.4781,  
91.6407

# Harmonies

## Analogous

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



35.1050, 29.4236, 14.9117



29.9561, 29.4236, 11.3082



24.8523, 29.4236, 11.8110

# Triad

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



29.9561, 29.4236, 11.3082



19.5045, 29.4236, 42.2317



36.2179, 29.4236, 54.9213

# Complementary

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



29.9561, 29.4236, 11.3082



17.9605, 17.9120, 46.2266

# 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.



31.3300, 29.4236, 67.6543



29.9561, 29.4236, 11.3082



21.8675, 29.4236, 58.8960

# Square

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



29.9561, 29.4236, 11.3082



19.2333, 29.4236, 26.7850



26.0665, 29.4236, 69.3005



39.0085, 29.4236, 37.9349



# Rectangle

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



29.9561, 29.4236, 11.3082



22.1361, 29.4236, 14.4613



26.0665, 29.4236, 69.3005



34.7394, 29.4236, 60.0403

# Sweetspot

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



29.9568, 29.4250, 11.3088



69.3086, 72.2439, 61.7542



25.1224, 16.6095, 19.3980



14.7724, 15.3733, 12.7408



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



29.9568, 29.4250, 11.3088



50.2788, 47.8579, 13.2570



34.6283, 42.2220, 13.5326



8.9145, 9.3414, 8.9858



17.1031, 14.7048, 1.9369



0.5927, 0.5719, 0.0791



# Inverse Universe

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



17.9605, 17.9120, 46.2266



26.7931, 25.3702, 81.7794



15.1181, 10.8747, 45.0181



8.3036, 8.7533, 10.7582



7.3349, 5.4702, 30.8063

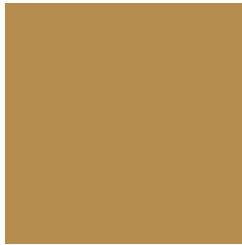


0.2884, 0.2873, 0.9885



# Previews

## White Background



This preview shows how the XYZ color 29.9561, 29.4236, 11.3082 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 29.9561, 29.4236, 11.3082 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 29.9561, 29.4236, 11.3082**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.9561, 29.4236, 11.3082.



This preview shows how white text looks on a background with the XYZ color 29.9561, 29.4236,



# 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

29.9561, 29.4236, 11.3082

### Protanopia

27.1421, 29.5455, 11.8617

### Deuteranopia

29.9561, 29.4236, 11.3082



## Tritanopia

33.6713, 29.2278, 30.2524

# Trichromacy



## Original Color

29.9561, 29.4236, 11.3082

## Protanomaly

28.1142, 29.3614, 11.5827

## Deuteranomaly

29.9561, 29.4236, 11.3082

## Tritanomaly

31.9615, 29.1547, 21.7122

# Monochromacy



## Original Color

29.9561, 29.4236, 11.3082

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

27.7225, 28.6979, 22.1673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.9561, 29.4236, 11.3082 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(181, 141, 78)` looks like.

```
.text, #text, p{  
    color:rgb(181, 141, 78)  
}
```

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(181, 141, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 141, 78) }
```

## Border

The CSS property to change the border of an element to XYZ 29.9561, 29.4236, 11.3082 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(181, 141, 78) }
```



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

```
.border{ border-color:rgb(181, 141, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 141, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 141, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 141, 78);  
box-shadow:4px 4px 4px 4px rgb(181, 141,  
78) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.9561, 29.4236, 11.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 141, 78) }
```

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

```
.background{ background-color: rgb(181,  
141, 78) }
```

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