

# Converting Colors

XYZ(29.4534, 27.2423, 4.1475)

Have a look what the booklet for  
XYZ(29.4534, 27.2423, 4.1475)  
contains.

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# Color

**XYZ(29.4377, 27.2142,  
4.1533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BE830F
RGB	190, 131, 15
RGB Percent	75%, 51%, 6%
CMY	0.2549, 0.4863, 0.9411
CMYK	0.00, 0.31, 0.92, 0.25
HSL	40°, 85%, 40%
HSV	40°, 92%, 75%
XYZ	29.4377, 27.2142, 4.1533
YIQ	135.4170, 72.4000, -23.5680

# Conversions

## Conversions Part 2

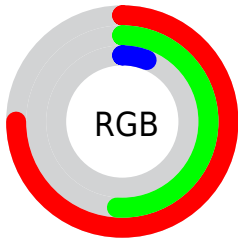
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 190, 15
Decimal	12485391
CIELab	59.17, 14.27, 62.28
CIELCh	59, 63.897, 77.091
Yxy	27.2142, 0.4841, 0.4476
Android (android.graphics.Color)	4290675471 (0xFFBE830F)
YUV	135.4170, -59.3656, 47.8693
Hunter-Lab	52.1672, 9.4340, 31.7967

# Details

The XYZ color **29.4377, 27.2142, 4.1533** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.9402, 8.7172, 49.7680**, and the grayscale version is **23.3804, 24.5980, 26.7872**.

A 20% lighter version of the original color is **58.2287, 55.3120, 14.4448**, and **12.3774, 10.8599, 1.4438** is the 20% darker color. If you saturate the color by 10%, you get **28.6889, 25.8549, 3.4784**, and if you desaturate by 10%, it is **30.5280, 29.0709, 5.5162**.

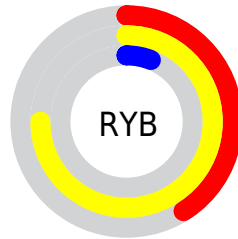
# Distribution



Red (75%)

Green (51%)

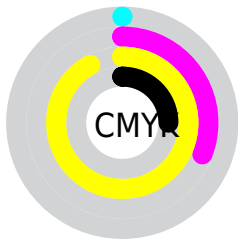
Blue (6%)



Red (41%)

Yellow (75%)

Blue (6%)

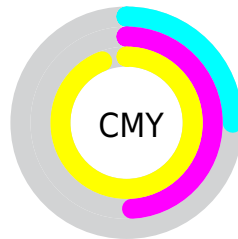


Cyan (0%)

Magenta (31%)

Yellow (92%)

Black (25%)



Cyan (25%)

Magenta (49%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4377, 27.2142, 4.1533 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 29.4377, 27.2142, 4.1533 by changing the saturation by 10% instead.




 29.4377, 27.2142,  
4.1533


 29.4377, 27.2142,  
4.1533


291.2317,  
288.6927, 149.9144


 19.5581, 17.7342,  
1.7098


 58.1645, 55.2274,  
14.3618

 12.1806, 10.7593,  
0.3674


 77.7425, 74.5293,  
22.9639


 6.9399, 5.9052,  
0.0000


 101.2840, 97.8740,  
34.4559

 3.4705, 2.7875,  
0.0000

 129.1544,  
125.6459, 49.2565

 1.4072, 1.0218,  
0.0000

 161.7190,  
158.2293, 67.7840

 0.2613, 0.0000,  
0.0000

 199.3432,

 0.0000, 0.0000,

196.0087, 90.4572

0.0000

■ 242.3923,  
239.3683, 117.6944

■ 29.4377, 27.2142,  
4.1533

■ 29.4377, 27.2142,  
4.1533

■ 28.6889, 25.8549,  
3.4784

■ 30.5280, 29.0709,  
5.5162

■ 31.8232, 31.0950,  
7.6938

■ 33.3467, 33.2984,  
10.8019

■ 35.1176, 35.6903,  
14.9374

■ 37.1528, 38.2788,  
20.1845

■ 39.4675, 41.0712,  
26.6190

■ 42.0755, 44.0745,  
34.3098

■ 44.9896, 47.2950,  
43.3206

■ 48.2219, 50.7389,  
53.7106

# Harmonies

## Analogous

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



37.7463, 27.2142, 7.7279



29.4377, 27.2142, 4.1533



21.6245, 27.2142, 4.3807

# Triad

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



29.4377, 27.2142, 4.1533



13.8232, 27.2142, 44.4682



38.7715, 27.2142, 70.6055

# Complementary

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



29.4377, 27.2142, 4.1533



11.9402, 8.7172, 49.7680

# 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.



30.6294, 27.2142, 94.3630



29.4377, 27.2142, 4.1533



16.7839, 27.2142, 74.7177

# Square

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



29.4377, 27.2142, 4.1533



13.6337, 27.2142, 20.8797



22.5961, 27.2142, 96.1662



43.8331, 27.2142, 40.5402



# Rectangle

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



29.4377, 27.2142, 4.1533



17.6915, 27.2142, 6.6186



22.5961, 27.2142, 96.1662



36.2362, 27.2142, 80.1405

# Sweetspot

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



29.4383, 27.2156, 4.1538



73.1825, 76.3679, 53.0513



22.7194, 11.8143, 7.9670



15.6349, 16.2604, 10.3907



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



29.4383, 27.2156, 4.1538



51.7500, 46.3752, 6.2238



33.7580, 44.7271, 7.3062



10.0440, 10.5639, 10.0863



19.1515, 17.3418, 2.3379



0.8083, 0.7955, 0.1109



# Inverse Universe

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



11.9402, 8.7172, 49.7680



19.9656, 12.9831, 89.7328



10.3899, 4.5363, 49.0427



9.2723, 9.7370, 12.0629



7.4670, 5.0457, 32.9733

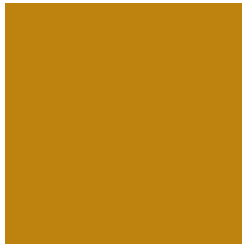


0.3541, 0.3208, 1.3121



# Previews

## White Background



This preview shows how the XYZ color 29.4377, 27.2142, 4.1533 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 29.4377, 27.2142, 4.1533 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 29.4377, 27.2142, 4.1533**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.4377, 27.2142, 4.1533.



This preview shows how white text looks on a background with the XYZ color 29.4377, 27.2142,



# 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

29.4377, 27.2142, 4.1533

### Protanopia

24.6379, 27.2690, 4.5810

### Deuteranopia

27.7584, 27.1670, 3.9818



## Tritanopia

33.8212, 27.2935, 24.9583

# Trichromacy



## Original Color

29.4377, 27.2142, 4.1533

## Protanomaly

26.3551, 27.2796, 4.4487

## Deuteranomaly

28.3470, 27.2625, 4.0553

## Tritanomaly

31.3849, 26.8578, 12.9811

# Monochromacy



## Original Color

29.4377, 27.2142, 4.1533

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

23.9310, 24.7741, 13.4181

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.4377, 27.2142, 4.1533 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(190, 131, 15)` looks like.

```
.text, #text, p{  
    color:rgb(190, 131, 15)  
}
```

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(190, 131, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 131, 15) }
```

## Border

The CSS property to change the border of an element to XYZ 29.4377, 27.2142, 4.1533 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(190, 131, 15) }
```



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

```
.border{ border-color:rgb(190, 131, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 131, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 131, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 131, 15);  
box-shadow:4px 4px 4px 4px rgb(190, 131,  
15) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.4377, 27.2142, 4.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 131, 15) }
```

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

```
.background{ background-color: rgb(190,  
131, 15) }
```

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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