

Converting Colors

XYZ(29.0015, 30.0891, 9.7481)

Have a look what the booklet for
XYZ(29.0015, 30.0891, 9.7481)
contains.

XYZ(29.0015, 30.0891, 9.7481)	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(29.0015, 30.0891,
9.7481)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9244
RGB	175, 146, 68
RGB Percent	69%, 57%, 27%
CMY	0.3137, 0.4274, 0.7333
CMYK	0.00, 0.17, 0.61, 0.31
HSL	44°, 44%, 48%
HSV	44°, 61%, 69%
XYZ	29.0015, 30.0891, 9.7481
YIQ	145.7790, 42.3220, -18.1100

Conversions

Conversions Part 2

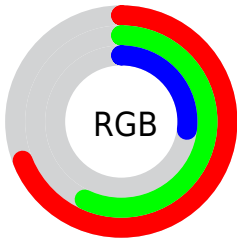
Format	Color
RYB	108, 175, 68
Decimal	11506244
CIELab	61.73, 1.57, 44.55
CIELCh	62, 44.575, 87.988
Yxy	30.0891, 0.4213, 0.4371
Android (android.graphics.Color)	4289696324 (0xFFAF9244)
YUV	145.7790, -38.3450, 25.6268
Hunter-Lab	54.8535, -1.6193, 27.8610

Details

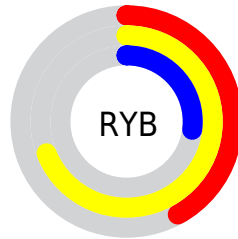
The XYZ color **29.0015, 30.0891, 9.7481** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.3964, 12.8731, 42.2833**, and the grayscale version is **27.3717, 28.7971, 31.3601**.

A 20% lighter version of the original color is **57.5883, 59.9641, 25.9918**, and **11.8918, 12.3282, 2.2831** is the 20% darker color. If you saturate the color by 10%, you get **27.8294, 28.4758, 7.1044**, and if you desaturate by 10%, it is **30.3648, 31.8297, 13.2427**.

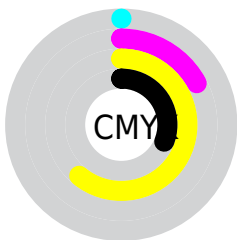
Distribution



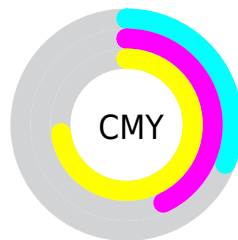
- Red (69%)
- Green (57%)
- Blue (27%)



- Red (42%)
- Yellow (69%)
- Blue (27%)



- Cyan (0%)
- Magenta (17%)
- Yellow (61%)
- Black (31%)



- Cyan (31%)
- Magenta (43%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0015, 30.0891, 9.7481 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 29.0015, 30.0891, 9.7481 by changing the saturation by 10% instead.

■ 29.0015, 30.0891,
9.7481

■ 29.0015, 30.0891,
9.7481

289.2161,
302.3195, 199.2837

■ 19.2262, 19.9062,
5.1288

■ 57.4770, 59.8031,
25.9210

■ 11.9388, 12.3269,
2.2630

■ 76.9080, 80.1029,
38.3117

■ 6.7740, 6.9667,
0.7104

■ 100.2882,
104.5439, 54.1300

■ 3.3662, 3.4413,
0.0000

■ 127.9831,
133.5104, 73.7943

■ 1.3502, 1.3662,
0.0000

■ 160.3580,
167.3869, 97.7234

■ 0.2204, 0.1916,
0.0000

197.7782,

■ 0.0000, 0.0000,

206.5576, 126.3356

0.0000

240.6091,
251.4070, 160.0495

■ 29.0015, 30.0891,
9.7481

■ 29.0015, 30.0891,
9.7481

■ 27.8294, 28.4758,
7.1044

■ 30.3648, 31.8297,
13.2427

■ 26.8313, 26.9789,
5.2323

■ 31.9304, 33.6991,
17.6543

■ 25.9902, 25.5922,
4.0409

■ 33.7109, 35.7042,
23.0444

■ 25.3432, 24.4421,
3.3821

■ 35.7172, 37.8498,
29.4689

■ 37.9594, 40.1405,
36.9792

■ 40.4469, 42.5807,
45.6234

■ 43.1888, 45.1743,
55.4467

■ 46.1932, 47.9254,
66.4918

■ 49.4683, 50.8375,
78.7992

Harmonies

Analogous

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



35.0864, 30.0891, 12.1254



29.0015, 30.0891, 9.7481



23.5697, 30.0891, 11.5432

Triad

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



29.0015, 30.0891, 9.7481



19.6570, 30.0891, 50.6218



39.4104, 30.0891, 53.3261

Complementary

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



29.0015, 30.0891, 9.7481



14.3964, 12.8731, 42.2833

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.



34.2968, 30.0891, 70.9375



29.0015, 30.0891, 9.7481



22.9646, 30.0891, 69.0335

Square

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



29.0015, 30.0891, 9.7481



18.6408, 30.0891, 31.6273



28.1998, 30.0891, 77.4948



41.5902, 30.0891, 33.9233

Rectangle

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



29.0015, 30.0891, 9.7481



20.9285, 30.0891, 15.3917



28.1998, 30.0891, 77.4948



37.9457, 30.0891, 59.8732

Sweetspot

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



29.0022, 30.0905, 9.7487



65.0613, 68.9223, 56.3838



21.9661, 14.1363, 13.2051



14.2148, 15.0636, 11.7211



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.



29.0022, 30.0905, 9.7487



49.2517, 50.1409, 11.5363



29.2880, 37.7350, 11.2092



8.4763, 8.9575, 8.4956



18.2021, 17.6097, 2.4397



0.5485, 0.5742, 0.0819

Inverse Universe

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



14.3964, 12.8731, 42.2833



20.9715, 16.8877, 74.7912



14.1378, 9.4632, 41.6387



7.7489, 8.0972, 10.1072



6.3263, 3.7866, 29.4420



0.2217, 0.1967, 0.8343

Previews

White Background



This preview shows how the XYZ color 29.0015, 30.0891, 9.7481 looks on a white background.

Color Contrast Check

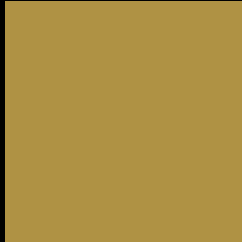
Large Text (above 18pt) WCAG AA × Fail

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 29.0015, 30.0891, 9.7481 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 29.0015, 30.0891, 9.7481

Background



This preview shows how black text looks on a background with the XYZ color 29.0015, 30.0891, 9.7481.



This preview shows how white text looks on a background with the XYZ color 29.0015, 30.0891,

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

29.0015, 30.0891, 9.7481

Protanopia

27.5475, 30.0316, 9.9750

Deuteranopia

30.5143, 29.9660, 9.8060



Tritanopia

33.5824, 29.9745, 32.0327

Trichromacy



Original Color

29.0015, 30.0891, 9.7481

Protanomaly

28.0263, 30.0445, 9.9522

Deuteranomaly

29.9527, 29.8983, 9.8225

Tritanomaly

31.2983, 29.6718, 21.5304

Monochromacy



Original Color

29.0015, 30.0891, 9.7481

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.4535, 29.0339, 21.2967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0015, 30.0891, 9.7481 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(175, 146, 68)` looks like.

```
.text, #text, p{  
    color:rgb(175, 146, 68)  
}
```

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(175, 146, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 146, 68) }
```

Border

The CSS property to change the border of an element to XYZ 29.0015, 30.0891, 9.7481 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(175, 146, 68) }
```


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

```
.border{ border-color:rgb(175, 146, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 146, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 146, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 146, 68);  
box-shadow:4px 4px 4px 4px rgb(175, 146,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0015, 30.0891, 9.7481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 146, 68) }
```

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

```
.background{ background-color: rgb(175,  
146, 68) }
```

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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