

Converting Colors

XYZ(29.9242, 40.2302, 7.4844)

Have a look what the booklet for
XYZ(29.9242, 40.2302, 7.4844)
contains.

XYZ(29.9242, 40.2302, 7.4844)	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(29.9242, 40.2302,
7.4844)**

Conversions

Conversions Part 1

Format	Color
Hex	98B61F
RGB	152, 182, 31
RGB Percent	60%, 71%, 12%
CMY	0.4039, 0.2863, 0.8784
CMYK	0.16, 0.00, 0.83, 0.29
HSL	72°, 71%, 42%
HSV	72°, 83%, 71%
XYZ	29.9242, 40.2302, 7.4844
YIQ	155.8160, 30.5910, -53.3210

Conversions

Conversions Part 2

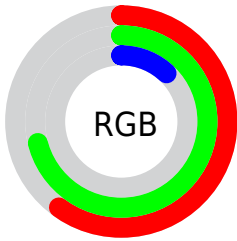
Format	Color
R _Y B	31, 182, 61
Decimal	10008095
CIE Lab	69.63, -28.96, 65.72
CIE LCh	70, 71.815, 113.785
Yxy	40.2302, 0.3854, 0.5182
Android (android.graphics.Color)	4288198175 (0xFF98B61F)
YUV	155.8160, -61.5343, -3.3466
Hunter-Lab	63.4273, -26.7837, 37.4029

Details

The XYZ color **29.9242, 40.2302, 7.4844** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **10.8594, 5.3505, 44.7187**, and the grayscale version is **31.7753, 33.4301, 36.4054**.

A 20% lighter version of the original color is **59.0412, 75.6060, 21.3792**, and **12.6741, 18.1873, 2.8425** is the 20% darker color. If you saturate the color by 10%, you get **29.0824, 39.8179, 6.5271**, and if you desaturate by 10%, it is **30.9238, 40.7109, 9.1570**.

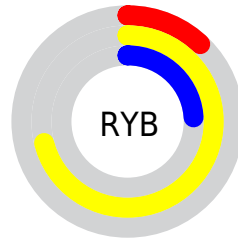
Distribution



Red (60%)

Green (71%)

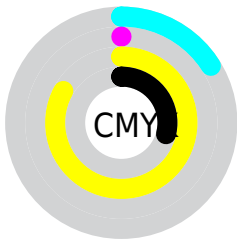
Blue (12%)



Red (12%)

Yellow (71%)

Blue (24%)

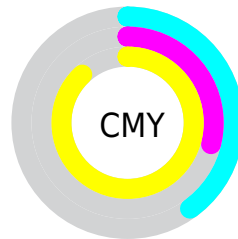


Cyan (16%)

Magenta (0%)

Yellow (83%)

Black (29%)



Cyan (40%)


Magenta (29%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9242, 40.2302, 7.4844 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 29.9242, 40.2302, 7.4844 by changing the saturation by 10% instead.


 29.9242, 40.2302,
7.4844


 29.9242, 40.2302,
7.4844


293.4671,
347.0929, 181.4110

 19.9288, 27.7181,
3.6838


 58.9297, 75.5139,
21.4705

 12.4513, 18.1132,
1.4536


 78.6706, 99.0543,
32.4931


 7.1262, 11.0313,
0.1830


 102.3907,
127.0396, 46.7602

 3.5882, 6.0879,
0.0000

 130.4554,
159.8541, 64.6902

 1.4719, 2.8986,
0.0000

 163.2301,
197.8823, 86.7018

 0.3066, 1.0790,
0.0000

 201.0800,

 0.0000, 0.0000,

241.5086, 113.2134

0.0000

244.3706,
291.1173, 144.6436

■ 29.9242, 40.2302,
7.4844

■ 29.9242, 40.2302,
7.4844

■ 29.0824, 39.8179,
6.5271

■ 30.9238, 40.7109,
9.1570

■ 28.5541, 39.5538,
6.1297

■ 32.0986, 41.2626,
11.6475

■ 33.4664, 41.8939,
15.0444

■ 35.0417, 42.6108,
19.4240

■ 36.8378, 43.4184,
24.8548

■ 38.8667, 44.3215,
31.3990

■ 41.1394, 45.3248,
39.1141

■ 43.6663, 46.4322,
48.0533

■ 46.4570, 47.6476,
58.2670

Harmonies

Analogous

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



40.7053, 40.2302, 6.0338



29.9242, 40.2302, 7.4844



22.9093, 40.2302, 15.8519

Triad

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



29.9242, 40.2302, 7.4844



26.5087, 40.2302, 118.2603



64.9937, 40.2302, 51.0952

Complementary

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



29.9242, 40.2302, 7.4844



10.8594, 5.3505, 44.7187

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.



59.2192, 40.2302, 93.4622



29.9242, 40.2302, 7.4844



35.8717, 40.2302, 143.0279

Square

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



29.9242, 40.2302, 7.4844



21.2345, 40.2302, 74.9704



47.9636, 40.2302, 132.1922



62.5130, 40.2302, 22.7513

Rectangle

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



29.9242, 40.2302, 7.4844



20.5610, 40.2302, 28.2689



47.9636, 40.2302, 132.1922



63.9220, 40.2302, 64.1879

Sweetspot

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



29.9251, 40.2320, 7.4852



69.5162, 79.9310, 53.8115



21.0880, 13.1408, 2.7219



15.0668, 17.5265, 10.9548



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.9251, 40.2320, 7.4852



51.5693, 71.6057, 11.1033



20.1861, 35.2114, 7.0295



9.5706, 10.4108, 9.6120



20.2181, 27.9591, 4.3310



0.7579, 1.0089, 0.1548

Inverse Universe

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



10.8594, 5.3505, 44.7187



16.4860, 6.7305, 80.6659



18.7958, 9.4419, 45.0901



8.6833, 8.8031, 11.3209



6.5251, 2.6750, 31.4255



0.2800, 0.1200, 1.1102

Previews

White Background



This preview shows how the XYZ color 29.9242, 40.2302, 7.4844 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 29.9242, 40.2302, 7.4844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

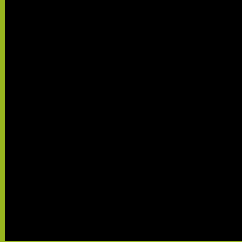
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9242, 40.2302, 7.4844

Background



This preview shows how black text looks on a background with the XYZ color 29.9242, 40.2302, 7.4844.



This preview shows how white text looks on a background with the XYZ color 29.9242, 40.2302,

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

29.9242, 40.2302, 7.4844

Protanopia

36.0702, 39.9097, 6.9008

Deuteranopia

40.6215, 39.8103, 7.8287



Tritanopia

38.4611, 39.9018, 50.4745

Trichromacy



Original Color

29.9242, 40.2302, 7.4844

Protanomaly

33.4893, 39.7079, 7.0617

Deuteranomaly

36.0400, 39.5988, 7.6633

Tritanomaly

33.7303, 39.4077, 26.2507

Monochromacy



Original Color

29.9242, 40.2302, 7.4844

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.8419, 35.0265, 20.2269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9242, 40.2302, 7.4844 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(152, 182, 31)` looks like.

```
.text, #text, p{  
    color:rgb(152, 182, 31)  
}
```

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(152, 182, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 182, 31) }
```

Border

The CSS property to change the border of an element to XYZ 29.9242, 40.2302, 7.4844 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(152, 182, 31) }
```


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

```
.border{ border-color:rgb(152, 182, 31) }
```

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

Here you see how a box with a 4 pixel rgb(152, 182, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 182, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 182, 31);  
box-shadow:4px 4px 4px 4px rgb(152, 182,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9242, 40.2302, 7.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 182, 31) }
```

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

```
.background{ background-color: rgb(152,  
182, 31) }
```

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