

Converting Colors

XYZ(29.5532, 29.8833, 47.1364)

Have a look what the booklet for
XYZ(29.5532, 29.8833, 47.1364)
contains.

XYZ(29.4872, 29.7382, 47.3659)	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(29.4872, 29.7382,
47.3659)**

Conversions

Conversions Part 1

Format	Color
Hex	8C93B4
RGB	140, 147, 180
RGB Percent	55%, 58%, 71%
CMY	0.4510, 0.4235, 0.2941
CMYK	0.22, 0.18, 0.00, 0.29
HSL	229°, 21%, 63%
HSV	229°, 22%, 71%
XYZ	29.4872, 29.7382, 47.3659
YIQ	148.6690, -14.7650, 8.7790

Conversions

Conversions Part 2

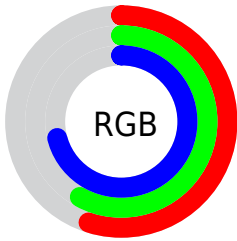
Format	Color
RYB	140, 146, 180
Decimal	9212852
CIELab	61.43, 4.74, -18.05
CIElCh	61, 18.658, 284.722
Yxy	29.7382, 0.2766, 0.2790
Android (android.graphics.Color)	4287402932 (0xFF8C93B4)
YUV	148.6690, 15.4462, -7.6027
Hunter-Lab	54.5327, 1.0871, -13.3250

Details

The XYZ color **29.4872, 29.7382, 47.3659** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.5000, 41.4841, 30.7899**, and the grayscale version is **28.3706, 29.8480, 32.5045**.

A 20% lighter version of the original color is **58.2751, 59.2988, 87.7313**, and **12.2253, 12.2055, 21.7902** is the 20% darker color. If you saturate the color by 10%, you get **24.5368, 23.9773, 46.5153**, and if you desaturate by 10%, it is **35.2337, 36.3535, 48.3404**.

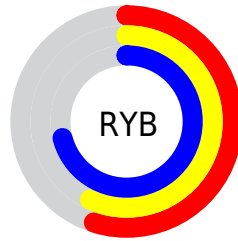
Distribution



Red (55%)

Green (58%)

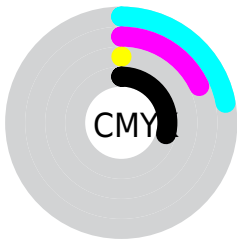
Blue (71%)



Red (55%)

Yellow (57%)

Blue (71%)

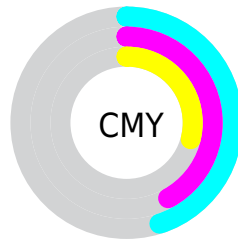


Cyan (22%)

Magenta (18%)

Yellow (0%)

Black (29%)



Cyan (45%)

Magenta (42%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4872, 29.7382, 47.3659 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 29.4872, 29.7382, 47.3659 by changing the saturation by 10% instead.

■ 29.4872, 29.7382,
47.3659

■ 29.4872, 29.7382,
47.3659

291.4597,
300.6822, 392.7091

■ 19.5958, 19.6400,
32.9686

■ 58.2425, 59.2479,
87.6152

■ 12.2081, 12.1336,
21.8315

■ 77.8371, 79.4282,
114.3043

■ 6.9588, 6.8347,
13.5360

■ 101.3968,
103.7379, 145.9278

■ 3.4824, 3.3590,
7.6636

129.2870,
132.5615, 182.9041

■ 1.4137, 1.3219,
3.7958

161.8731,
166.2833, 225.6519

■ 0.2660, 0.1581,
1.5140

199.5203,

■ 0.0000, 0.0000,

205.2878, 274.5896

0.2283

242.5941,
249.9593, 330.1358

■ 0.0000, 0.0000,
0.0000

■ 29.4872, 29.7382,
47.3659

■ 29.4872, 29.7382,
47.3659

■ 24.5368, 23.9773,
46.5153

■ 35.2337, 36.3535,
48.3404

■ 20.3443, 19.0321,
45.7818

■ 41.8068, 43.8525,
49.4414

■ 16.8724, 14.8662,
45.1607

■ 49.2385, 52.2678,
50.6740

■ 14.0797, 11.4391,
44.6464

■ 57.5586, 61.6290,
52.0424

■ 11.9203, 8.7065,
44.2327

■ 66.7951, 71.9644,
53.5505

■ 10.3423, 6.6190,
43.9130

■ 76.9752, 83.3012,
55.2022

■ 9.2854, 5.1205,
43.6795

■ 83.9599, 93.5186,
56.8062

■ 8.7416, 4.3019,
43.5501

■ 85.2383, 96.0753,
57.2323

Harmonies

Analogous

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



27.0344, 29.7382, 47.3220



29.4872, 29.7382, 47.3659



31.7340, 29.7382, 43.0162

Triad

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



29.4872, 29.7382, 47.3659



31.7692, 29.7382, 23.7351



23.9344, 29.7382, 28.9325

Complementary

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



29.4872, 29.7382, 47.3659



38.5000, 41.4841, 30.7899

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.



25.0590, 29.7382, 23.6594



29.4872, 29.7382, 47.3659



29.5329, 29.7382, 20.9693

Square

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



29.4872, 29.7382, 47.3659



33.1026, 29.7382, 29.0507



27.0776, 29.7382, 20.9438



23.9237, 29.7382, 35.9541

Rectangle

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



29.4872, 29.7382, 47.3659



32.7723, 29.7382, 38.5301



27.0776, 29.7382, 20.9438



24.1916, 29.7382, 26.9215

Sweetspot

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



29.4881, 29.7394, 47.3666



69.7746, 72.6485, 88.6396



34.6478, 41.2228, 45.4975



14.9311, 15.5311, 19.1331



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.



29.4881, 29.7394, 47.3666



48.5871, 48.2592, 85.0488



30.6911, 28.7923, 47.1204



8.1583, 8.4627, 10.7098



6.1367, 3.0737, 30.4068



0.2294, 0.1693, 0.9688

Inverse Universe

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



33.4677, 30.5669, 31.7411



57.2199, 50.2092, 51.1184



37.0624, 42.7884, 31.1174



8.5551, 8.5287, 9.1555



13.3322, 6.8504, 1.6431



0.4378, 0.2229, 0.1481

Previews

White Background



This preview shows how the XYZ color 29.4872, 29.7382, 47.3659 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 29.4872, 29.7382, 47.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

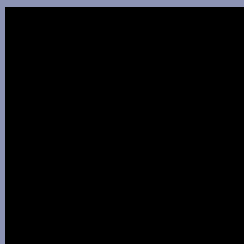
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4872, 29.7382, 47.3659

Background



This preview shows how black text looks on a background with the XYZ color 29.4872, 29.7382, 47.3659.



This preview shows how white text looks on a background with the XYZ color 29.4872, 29.7382,

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

29.4872, 29.7382, 47.3659

Protanopia

29.6564, 29.8254, 47.3738

Deuteranopia

30.2177, 29.6571, 47.3118



Tritanopia

27.7445, 29.7397, 38.4605

Trichromacy



Original Color

29.4872, 29.7382, 47.3659

Protanomaly

29.6564, 29.8254, 47.3738

Deuteranomaly

30.0187, 29.7823, 47.3464

Tritanomaly

28.3901, 29.7627, 41.7846

Monochromacy



Original Color

29.4872, 29.7382, 47.3659

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.7891, 29.8289, 37.4979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4872, 29.7382, 47.3659 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(140, 147, 180)` looks like.

```
.text, #text, p{  
    color:rgb(140, 147, 180)  
}
```

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(140, 147, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 147, 180) }
```

Border

The CSS property to change the border of an element to XYZ 29.4872, 29.7382, 47.3659 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(140, 147, 180) }
```


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

```
.border{ border-color:rgb(140, 147, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 147, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 147, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 147, 180);  
box-shadow:4px 4px 4px 4px rgb(140, 147,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4872, 29.7382, 47.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 147, 180) }
```

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

```
.background{ background-color: rgb(140,  
147, 180) }
```

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