

Converting Colors

XYZ(29.4334, 36.2235, 29.3394)

Have a look what the booklet for
XYZ(29.4334, 36.2235, 29.3394)
contains.

XYZ(29.4669, 36.2792, 29.4943)	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(29.4669, 36.2792,
29.4943)**

Conversions

Conversions Part 1

Format	Color
Hex	89AB8A
RGB	137, 171, 138
RGB Percent	54%, 67%, 54%
CMY	0.4627, 0.3294, 0.4588
CMYK	0.20, 0.00, 0.19, 0.33
HSL	122°, 17%, 60%
HSV	122°, 20%, 67%
XYZ	29.4669, 36.2792, 29.4943
YIQ	157.0720, -9.6710, -17.4710

Conversions

Conversions Part 2

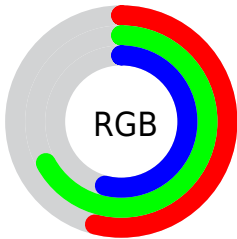
Format	Color
RYB	137, 170, 171
Decimal	9022346
CIELab	66.73, -18.20, 13.24
CIElCh	67, 22.506, 143.977
Yxy	36.2792, 0.3094, 0.3809
Android (android.graphics.Color)	4287212426 (0xFF89AB8A)
YUV	157.0720, -9.4025, -17.6031
Hunter-Lab	60.2322, -18.0803, 13.1296

Details

The XYZ color **29.4669, 36.2792, 29.4943** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **32.9972, 29.4523, 41.9775**, and the grayscale version is **32.1251, 33.7981, 36.8062**.

A 20% lighter version of the original color is **58.0862, 69.2307, 59.5916**, and **12.1960, 15.8767, 11.6542** is the 20% darker color. If you saturate the color by 10%, you get **25.7716, 34.5037, 23.5210**, and if you desaturate by 10%, it is **33.7921, 38.3603, 36.4572**.

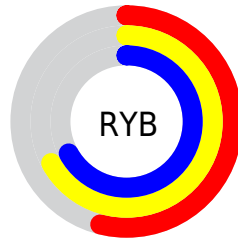
Distribution



Red (54%)

Green (67%)

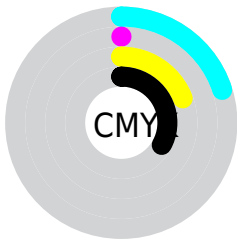
Blue (54%)



Red (54%)

Yellow (67%)

Blue (67%)

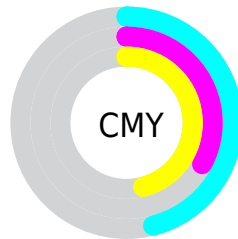


Cyan (20%)

Magenta (0%)

Yellow (19%)

Black (33%)



Cyan (46%)


Magenta (33%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4669, 36.2792, 29.4943 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 29.4669, 36.2792, 29.4943 by changing the saturation by 10% instead.


 29.4669, 36.2792,
29.4943


 29.4669, 36.2792,
29.4943


291.3662,
330.1792, 313.6737


 19.5804, 24.6499,
19.2063


 58.2105, 69.4628,
59.9130

 12.1969, 15.8164,
11.6411


 77.7983, 91.7859,
80.8808

 6.9510, 9.3943,
6.3802


 101.3506,
118.4423, 106.2456

 3.4776, 4.9993,
3.0051

129.2326,
149.8166, 136.4260

 1.4111, 2.2468,
1.0973

161.8099,
186.2930, 171.8404

 0.2641, 0.7454,
0.0000

199.4477,

 0.0000, 0.0000,

228.2560, 212.9075

0.0000

242.5113,
276.0899, 260.0458

■ 29.4669, 36.2792,
29.4943

■ 29.4669, 36.2792,
29.4943

■ 25.7716, 34.5037,
23.5210

■ 33.7921, 38.3603,
36.4572

■ 22.6742, 33.0150,
18.4902

■ 38.7716, 40.7556,
44.4492

■ 20.1440, 31.7996,
14.3544

■ 44.4320, 43.4790,
53.5105

■ 18.1467, 30.8407,
11.0613

■ 50.7976, 46.5421,
63.6786

■ 16.6441, 30.1201,
8.5529

■ 57.8916, 49.9562,
74.9891

■ 15.5932, 29.6168,
6.7641

■ 65.7359, 53.7318,
87.4759

■ 14.9433, 29.3065,
5.6192

■ 73.7221, 57.5547,
101.1421

■ 14.5947, 29.1400,
5.0054

■ 73.8536, 57.6073,
101.8345

■ 14.5912, 29.1383,
4.9997

Harmonies

Analogous

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



31.8967, 36.2792, 24.7621



29.4669, 36.2792, 29.4943



28.3886, 36.2792, 37.5723

Triad

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



29.4669, 36.2792, 29.4943



33.8018, 36.2792, 61.1668



40.7983, 36.2792, 32.3804

Complementary

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



29.4669, 36.2792, 29.4943



32.9972, 29.4523, 41.9775

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.



41.3910, 36.2792, 41.4965



29.4669, 36.2792, 29.4943



37.2040, 36.2792, 59.1676

Square

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



29.4669, 36.2792, 29.4943



30.7834, 36.2792, 56.6362



40.0367, 36.2792, 51.5502



38.4662, 36.2792, 26.2271

Rectangle

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



29.4669, 36.2792, 29.4943



28.5269, 36.2792, 44.1923



40.0367, 36.2792, 51.5502



41.2137, 36.2792, 35.1557

Sweetspot

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



29.4679, 36.2807, 29.4951



63.7457, 70.2511, 70.4767



35.7513, 39.5283, 29.4127



14.0935, 15.6076, 15.5207



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.4679, 36.2807, 29.4951



49.6313, 63.4632, 47.7498



30.7606, 36.7978, 36.3024



7.9137, 8.9430, 8.5705



11.0026, 21.9663, 3.7872



0.3091, 0.6123, 0.1213

Inverse Universe

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



32.9972, 29.4523, 41.9775



57.1489, 48.9178, 74.3369



31.5270, 28.8643, 34.2357



8.3267, 8.1439, 10.0314



17.8507, 8.6028, 27.9230



0.4997, 0.2406, 0.7931

Previews

White Background



This preview shows how the XYZ color 29.4669, 36.2792, 29.4943 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 29.4669, 36.2792, 29.4943 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 29.4669, 36.2792, 29.4943

Background



This preview shows how black text looks on a background with the XYZ color 29.4669, 36.2792, 29.4943.



This preview shows how white text looks on a background with the XYZ color 29.4669, 36.2792,

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

29.4669, 36.2792, 29.4943

Protanopia

33.9486, 36.1920, 27.3868

Deuteranopia

36.7038, 36.0143, 30.2163



Tritanopia

33.0934, 36.0942, 47.8705

Trichromacy



Original Color

29.4669, 36.2792, 29.4943

Protanomaly

32.1264, 36.0305, 28.1830

Deuteranomaly

33.6269, 35.7080, 29.9309

Tritanomaly

31.5041, 35.9805, 40.4064

Monochromacy



Original Color

29.4669, 36.2792, 29.4943

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0030, 34.5267, 33.8844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4669, 36.2792, 29.4943 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(137, 171, 138)` looks like.

```
.text, #text, p{  
    color:rgb(137, 171, 138)  
}
```

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(137, 171, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 171, 138) }
```

Border

The CSS property to change the border of an element to XYZ 29.4669, 36.2792, 29.4943 is called "border". The border property can be set on classes, ids or directly on the HTML element.

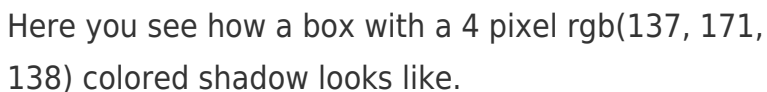
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 171, 138) }
```


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

```
.border{ border-color:rgb(137, 171, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 171, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 171, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 171, 138); box-shadow:4px 4px 4px 4px rgb(137, 171, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4669, 36.2792, 29.4943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 171, 138) }
```

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

```
.background{ background-color: rgb(137,  
171, 138) }
```

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