

Converting Colors

XYZ(29.4115, 35.5532, 12.8101)

Have a look what the booklet for
XYZ(29.4115, 35.5532, 12.8101)
contains.

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Color

**XYZ(29.3672, 35.4857,
12.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA750
RGB	158, 167, 80
RGB Percent	62%, 65%, 31%
CMY	0.3804, 0.3451, 0.6863
CMYK	0.05, 0.00, 0.52, 0.35
HSL	66°, 35%, 48%
HSV	66°, 52%, 65%
XYZ	29.3672, 35.4857, 12.8910
YIQ	154.3910, 22.5630, -28.9650

Conversions

Conversions Part 2

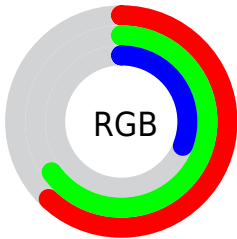
Format	Color
RYB	80, 167, 89
Decimal	10397520
CIELab	66.13, -15.97, 43.39
CIElCh	66, 46.233, 110.202
Yxy	35.4857, 0.3777, 0.4564
Android (android.graphics.Color)	4288587600 (0xFF9EA750)
YUV	154.3910, -36.6748, 3.1651
Hunter-Lab	59.5699, -16.2490, 28.8685

Details


The XYZ color **29.3672, 35.4857, 12.8910** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.9648, 10.6520, 37.8813**, and the grayscale version is **31.0372, 32.6536, 35.5597**.

A 20% lighter version of the original color is **58.0177, 68.2046, 31.9367**, and **12.0740, 15.2983, 3.5448** is the 20% darker color. If you saturate the color by 10%, you get **28.4880, 35.0963, 10.0198**, and if you desaturate by 10%, it is **30.4063, 35.9422, 16.5717**.

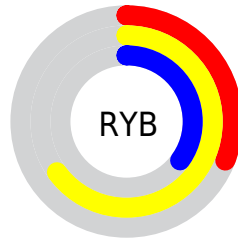
Distribution



 Red (62%)

 Green (65%)

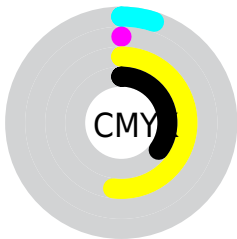
 Blue (31%)



 Red (31%)

 Yellow (65%)

 Blue (35%)

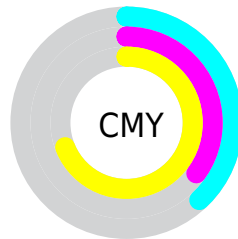


 Cyan (5%)

 Magenta (0%)

 Yellow (52%)

 Black (35%)



 Cyan (38%)


 Magenta (35%)


 Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3672, 35.4857, 12.8910 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 29.3672, 35.4857, 12.8910 by changing the saturation by 10% instead.


 29.3672, 35.4857,
12.8910


 29.3672, 35.4857,
12.8910


290.9066,
326.7070, 221.4012


 19.5045, 24.0373,
7.2237


 58.0535, 68.2375,
31.7961

 12.1415, 15.3613,
3.5218


 77.6078, 90.3097,
45.8710


 6.9130, 9.0733,
1.3669

 101.1233,
116.6919, 63.5855

 3.4536, 4.7890,
0.1157

 128.9654,
147.7685, 85.3582

 1.3979, 2.1240,
0.0000

 161.4994,
183.9239, 111.6076

 0.2548, 0.6781,
0.0000

199.0907,

 0.0000, 0.0000,

225.5425, 142.7521

0.0000

242.1047,
273.0088, 179.2105

■ 29.3672, 35.4857,
12.8910

■ 29.3672, 35.4857,
12.8910

■ 28.4880, 35.0963,
10.0198

■ 30.4063, 35.9422,
16.5717

■ 27.7546, 34.7645,
7.8948

■ 31.6130, 36.4650,
21.1143

■ 27.1544, 34.4865,
6.4470

■ 32.9979, 37.0596,
26.5696

■ 26.6719, 34.2561,
5.5939

■ 34.5697, 37.7295,
32.9837

■ 26.3456, 34.0965,
5.1927

■ 36.3365, 38.4781,
40.3997

■ 38.3061, 39.3082,
48.8579

■ 40.4857, 40.2230,
58.3965

■ 42.8823, 41.2251,
69.0518

■ 45.5023, 42.3172,
80.8584

Harmonies

Analogous

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



36.0274, 35.4857, 12.0553



29.3672, 35.4857, 12.8910



24.5595, 35.4857, 19.1226

Triad

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



29.3672, 35.4857, 12.8910



25.9566, 35.4857, 75.6211



48.4985, 35.4857, 45.4432

Complementary

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



29.3672, 35.4857, 12.8910



13.9648, 10.6520, 37.8813

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.



44.9344, 35.4857, 68.2794



29.3672, 35.4857, 12.8910



31.5288, 35.4857, 89.2204

Square

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



29.3672, 35.4857, 12.8910



22.7838, 35.4857, 53.2369



38.5006, 35.4857, 86.1531



47.7127, 35.4857, 26.9863

Rectangle

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



29.3672, 35.4857, 12.8910



22.7593, 35.4857, 27.1841



38.5006, 35.4857, 86.1531



47.7528, 35.4857, 52.9271

Sweetspot

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



29.3681, 35.4873, 12.8917



60.6864, 67.0474, 54.0368



20.9330, 15.8905, 9.5538



13.4567, 14.9512, 11.5875



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.3681, 35.4873, 12.8917



50.7281, 62.7218, 17.0606



22.3119, 31.8498, 12.5615



8.0692, 8.7338, 8.0498



20.1829, 26.1019, 3.9744



0.5122, 0.6459, 0.0977

Inverse Universe

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



13.9648, 10.6520, 37.8813



20.0251, 13.1602, 66.9600



19.3919, 13.4498, 38.1353



7.2012, 7.3363, 9.4548



5.5394, 2.2391, 28.1157



0.1563, 0.0656, 0.6851

Previews

White Background



This preview shows how the XYZ color 29.3672, 35.4857, 12.8910 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 29.3672, 35.4857, 12.8910 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 29.3672, 35.4857, 12.8910

Background



This preview shows how black text looks on a background with the XYZ color 29.3672, 35.4857, 12.8910.



This preview shows how white text looks on a background with the XYZ color 29.3672, 35.4857,

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

29.3672, 35.4857, 12.8910

Protanopia

32.4801, 35.5048, 12.3489

Deuteranopia

36.0174, 35.2929, 13.3014



Tritanopia

35.4611, 35.3411, 42.9827

Trichromacy



Original Color

29.3672, 35.4857, 12.8910

Protanomaly

31.3031, 35.4168, 12.5834

Deuteranomaly

33.3166, 35.1455, 13.2114

Tritanomaly

32.5701, 35.1884, 28.7423

Monochromacy



Original Color

29.3672, 35.4857, 12.8910

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.7465, 33.2971, 24.9379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3672, 35.4857, 12.8910 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(158, 167, 80)` looks like.

```
.text, #text, p{  
    color:rgb(158, 167, 80)  
}
```

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(158, 167, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 167, 80) }
```

Border

The CSS property to change the border of an element to XYZ 29.3672, 35.4857, 12.8910 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(158, 167, 80) }
```


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

```
.border{ border-color:rgb(158, 167, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 167, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 167, 80); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 167, 80); box-shadow:4px 4px 4px 4px rgb(158, 167, 80) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3672, 35.4857, 12.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 167, 80) }
```

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

```
.background{ background-color: rgb(158,  
167, 80) }
```

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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