

Converting Colors

XYZ(27.1133, 33.3086, 12.3300)

Have a look what the booklet for
XYZ(27.1133, 33.3086, 12.3300)
contains.

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Color

**XYZ(27.0862, 33.2429,
12.3861)**

Conversions

Conversions Part 1

Format	Color
Hex	96A34F
RGB	150, 163, 79
RGB Percent	59%, 64%, 31%
CMY	0.4118, 0.3608, 0.6902
CMYK	0.08, 0.00, 0.52, 0.36
HSL	69°, 35%, 47%
HSV	69°, 52%, 64%
XYZ	27.0862, 33.2429, 12.3861
YIQ	149.5370, 19.2160, -28.8800

Conversions

Conversions Part 2

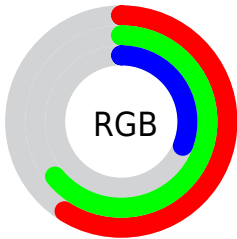
Format	Color
RYB	79, 163, 92
Decimal	9872207
CIELab	64.36, -17.33, 41.64
CIELCh	64, 45.103, 112.601
Yxy	33.2429, 0.3725, 0.4572
Android (android.graphics.Color)	4288062287 (0xFF96A34F)
YUV	149.5370, -34.7747, 0.4061
Hunter-Lab	57.6567, -17.0426, 27.6227

Details

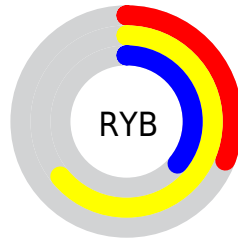
The XYZ color **27.0862, 33.2429, 12.3861** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.8216, 10.5125, 35.9528**, and the grayscale version is **28.9308, 30.4375, 33.1464**.

A 20% lighter version of the original color is **54.5543, 64.8763, 30.7662**, and **10.8360, 13.9990, 3.2934** is the 20% darker color. If you saturate the color by 10%, you get **26.1051, 32.7986, 9.6140**, and if you desaturate by 10%, it is **28.2244, 33.7536, 15.9263**.

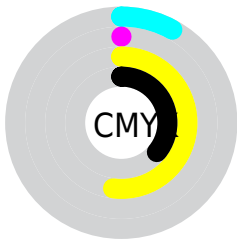
Distribution



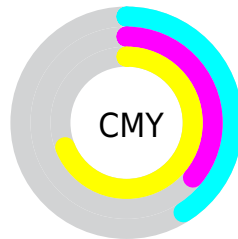
- Red (59%)
- Green (64%)
- Blue (31%)



- Red (31%)
- Yellow (64%)
- Blue (36%)



- Cyan (8%)
- Magenta (0%)
- Yellow (52%)
- Black (36%)



- Cyan (41%)
- Magenta (36%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0862, 33.2429, 12.3861 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 27.0862, 33.2429, 12.3861 by changing the saturation by 10% instead.

■ 27.0862, 33.2429,
12.3861

■ 27.0862, 33.2429,
12.3861

280.2342,
316.7428, 218.0127

■ 17.7749, 22.3126,
6.8815

■ 54.4411, 64.7546,
30.8712

■ 10.8872, 14.0868,
3.3108

■ 73.2153, 86.1047,
44.6888

■ 6.0578, 8.1810,
1.2554

■ 95.8747, 111.6969,
62.1145

■ 2.9212, 4.2110,
0.0248

■ 122.7844,
141.9156, 83.5667

■ 1.1122, 1.7923,
0.0000

■ 154.3098,
177.1451, 109.4642

■ 0.0353, 0.4824,
0.0000

190.8164,

■ 0.0000, 0.0000,

217.7699, 140.2253

0.0000

232.6694,
264.1744, 176.2686

■ 27.0862, 33.2429,
12.3861

■ 27.0862, 33.2429,
12.3861

■ 26.1051, 32.7986,
9.6140

■ 28.2244, 33.7536,
15.9263

■ 25.2679, 32.4118,
7.5508

■ 29.5271, 34.3300,
20.2838

■ 24.5628, 32.0790,
6.1324

■ 31.0040, 34.9774,
25.5061

■ 23.9753, 31.7943,
5.2817

■ 32.6635, 35.6989,
31.6365

■ 23.5412, 31.5795,
4.8547

■ 34.5133, 36.4977,
38.7153

■ 36.5606, 37.3767,
46.7806

■ 38.8123, 38.3387,
55.8682

■ 41.2749, 39.3863,
66.0122

■ 43.9547, 40.5219,
77.2451

Harmonies

Analogous

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



33.2128, 33.2429, 11.2393



27.0862, 33.2429, 12.3861



22.7700, 33.2429, 18.6907

Triad

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



27.0862, 33.2429, 12.3861



24.6768, 33.2429, 72.1680



45.4856, 33.2429, 40.9420

Complementary

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



27.0862, 33.2429, 12.3861



13.8216, 10.5125, 35.9528

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.



42.4516, 33.2429, 62.1916



27.0862, 33.2429, 12.3861



30.0333, 33.2429, 83.7871

Square

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



27.0862, 33.2429, 12.3861



21.5160, 33.2429, 51.5517



36.5813, 33.2429, 79.6227



44.4167, 33.2429, 24.2393

Rectangle

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



27.0862, 33.2429, 12.3861



21.2208, 33.2429, 26.6207



36.5813, 33.2429, 79.6227



44.8992, 33.2429, 47.8292

Sweetspot

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



27.0870, 33.2444, 12.3868



57.3426, 63.4308, 52.3490



20.3093, 15.9371, 9.4034



12.7446, 14.1879, 11.2607



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.0870, 33.2444, 12.3868



46.4904, 58.6177, 16.5364



20.7428, 29.9738, 12.0899



7.5412, 8.1815, 7.5618



18.3258, 24.5578, 3.7743



0.4123, 0.5301, 0.0806

Inverse Universe

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



13.8216, 10.5125, 35.9528



20.0774, 13.2876, 63.5627



19.1758, 13.2726, 36.2034



6.7979, 6.9102, 8.8786



5.4799, 2.2315, 27.0717



0.1425, 0.0610, 0.5701

Previews

White Background



This preview shows how the XYZ color 27.0862, 33.2429, 12.3861 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 27.0862, 33.2429, 12.3861 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 27.0862, 33.2429, 12.3861

Background



This preview shows how black text looks on a background with the XYZ color 27.0862, 33.2429, 12.3861.



This preview shows how white text looks on a background with the XYZ color 27.0862, 33.2429,

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

27.0862, 33.2429, 12.3861

Protanopia

30.2413, 33.0834, 11.8130

Deuteranopia

33.6371, 32.8807, 12.7574



Tritanopia

32.9357, 33.3380, 40.7754

Trichromacy



Original Color

27.0862, 33.2429, 12.3861

Protanomaly

29.0831, 33.2388, 12.0906

Deuteranomaly

30.8187, 32.6218, 12.6550

Tritanomaly

30.0703, 32.9031, 27.3203

Monochromacy



Original Color

27.0862, 33.2429, 12.3861

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.9371, 31.3820, 23.6537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0862, 33.2429, 12.3861 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(150, 163, 79)` looks like.

```
.text, #text, p{  
    color:rgb(150, 163, 79)  
}
```

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(150, 163, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 163, 79) }
```

Border

The CSS property to change the border of an element to XYZ 27.0862, 33.2429, 12.3861 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(150, 163, 79) }
```


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

```
.border{ border-color:rgb(150, 163, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 163, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 163, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 163, 79);  
box-shadow:4px 4px 4px 4px rgb(150, 163,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0862, 33.2429, 12.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 163, 79) }
```

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

```
.background{ background-color: rgb(150,  
163, 79) }
```

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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