

Converting Colors

XYZ(33.1178, 40.3586, 25.6986)

Have a look what the booklet for
XYZ(33.1178, 40.3586, 25.6986)
contains.

XYZ(33.0127, 40.2172, 25.7614)	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(33.0127, 40.2172,
25.7614)**

Conversions

Conversions Part 1

Format	Color
Hex	9AB27E
RGB	154, 178, 126
RGB Percent	60%, 70%, 49%
CMY	0.3961, 0.3019, 0.5059
CMYK	0.13, 0.00, 0.29, 0.30
HSL	88°, 25%, 60%
HSV	88°, 29%, 70%
XYZ	33.0127, 40.2172, 25.7614
YIQ	164.8960, 2.3880, -21.2600

Conversions

Conversions Part 2

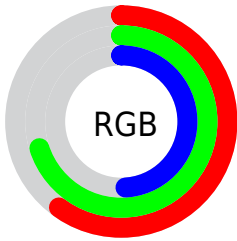
Format	Color
RYB	126, 178, 150
Decimal	10138238
CIELab	69.62, -17.60, 23.93
CIELCh	70, 29.705, 126.339
Yxy	40.2172, 0.3335, 0.4063
Android (android.graphics.Color)	4288328318 (0xFF9AB27E)
YUV	164.8960, -19.1757, -9.5558
Hunter-Lab	63.4170, -18.0589, 20.3070

Details

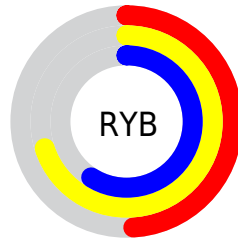
The XYZ color **33.0127, 40.2172, 25.7614** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.0761, 24.6212, 45.3944**, and the grayscale version is **35.8034, 37.6680, 41.0204**.

A 20% lighter version of the original color is **63.8540, 75.6556, 53.8854**, and **14.1176, 18.0138, 9.5704** is the 20% darker color. If you saturate the color by 10%, you get **30.4544, 39.0207, 20.1702**, and if you desaturate by 10%, it is **35.8846, 41.5542, 32.4358**.

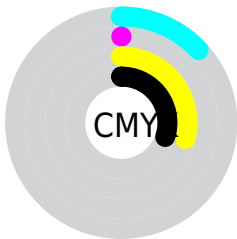
Distribution



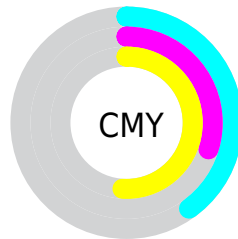
- Red (60%)
- Green (70%)
- Blue (49%)



- Red (49%)
- Yellow (70%)
- Blue (59%)



- Cyan (13%)
- Magenta (0%)
- Yellow (29%)
- Black (30%)





- Cyan (40%)
- Magenta (30%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0127, 40.2172, 25.7614 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 33.0127, 40.2172, 25.7614 by changing the saturation by 10% instead.


 33.0127, 40.2172,
25.7614


 33.0127, 40.2172,
25.7614


307.3709,
347.0382, 295.1770


 22.2955, 27.7079,
16.4211


 63.7499, 75.4941,
53.8691

 14.1920, 18.1056,
9.6650


 84.5006, 99.0306,
73.4736

 8.3369, 11.0258,
5.0747


 109.3264,
127.0116, 97.3365

 4.3649, 6.0842,
2.2317

138.5928,
159.8215, 125.8764

 1.9106, 2.8964,
0.6926

172.6651,
197.8447, 159.5119

 0.5830, 1.0779,
0.0000

211.9087,

 0.0000, 0.0000,

241.4656, 198.6615

0.0000

256.6888,
291.0687, 243.7436

■ 33.0127, 40.2172,
25.7614

■ 33.0127, 40.2172,
25.7614

■ 30.4544, 39.0207,
20.1702

■ 35.8846, 41.5542,
32.4358

■ 28.1936, 37.9540,
15.6024

■ 39.0790, 43.0315,
40.2437

■ 26.2173, 37.0129,
11.9965

■ 42.6084, 44.6556,
49.2355

■ 24.5100, 36.1911,
9.2831

■ 46.4835, 46.4310,
59.4578

■ 23.0546, 35.4813,
7.3837

■ 50.7146, 48.3622,
70.9545

■ 21.8311, 34.8754,
6.2060

■ 55.3116, 50.4531,
83.7675

■ 20.8039, 34.3587,
5.5756

■ 60.2837, 52.7079,
97.9368

■ 20.7282, 34.3206,
5.5320

■ 63.4056, 54.2365,
101.7346

■ 65.9501, 55.5482,
101.8537

Harmonies

Analogous

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



37.2152, 40.2172, 22.4214



33.0127, 40.2172, 25.7614



30.3792, 40.2172, 34.0147

Triad

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



33.0127, 40.2172, 25.7614



34.6394, 40.2172, 72.7376



48.1521, 40.2172, 40.9356

Complementary

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



33.0127, 40.2172, 25.7614



28.0761, 24.6212, 45.3944

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.



47.3178, 40.2172, 55.2781



33.0127, 40.2172, 25.7614



39.2533, 40.2172, 75.6662

Square

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



33.0127, 40.2172, 25.7614



31.2619, 40.2172, 61.3950



43.9595, 40.2172, 68.7207



46.1527, 40.2172, 29.9196

Rectangle

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



33.0127, 40.2172, 25.7614



29.7342, 40.2172, 42.1232



43.9595, 40.2172, 68.7207



48.1960, 40.2172, 45.4995

Sweetspot

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



33.0137, 40.2190, 25.7623



70.8992, 78.0472, 73.0647



32.9384, 32.5945, 24.2946



15.5141, 17.2020, 15.7053



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.



33.0137, 40.2190, 25.7623



56.8353, 71.5140, 40.0149



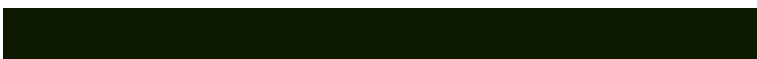
28.6801, 37.9849, 25.5595



8.8114, 9.7078, 9.0619



14.9037, 24.5932, 3.9615



0.5354, 0.8080, 0.1278

Inverse Universe

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



28.0761, 24.6212, 45.3944



46.4307, 38.6407, 81.3924



33.2674, 27.2975, 45.6373



8.4023, 8.4159, 10.6879



8.3208, 3.6253, 30.3982



0.3293, 0.1489, 0.9596

Previews

White Background



This preview shows how the XYZ color 33.0127, 40.2172, 25.7614 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 33.0127, 40.2172, 25.7614 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

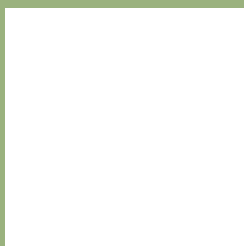
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0127, 40.2172, 25.7614

Background



This preview shows how black text looks on a background with the XYZ color 33.0127, 40.2172, 25.7614.



This preview shows how white text looks on a background with the XYZ color 33.0127, 40.2172,

25.7614.

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

33.0127, 40.2172, 25.7614

Protanopia

37.4160, 40.2219, 24.2039

Deuteranopia

40.8791, 40.0587, 26.3464



Tritanopia

38.1149, 40.2679, 51.1110

Trichromacy



Original Color

33.0127, 40.2172, 25.7614

Protanomaly

35.5320, 40.0879, 24.6039

Deuteranomaly

37.4274, 39.6311, 26.0990

Tritanomaly

36.0450, 40.2874, 40.5268

Monochromacy



Original Color

33.0127, 40.2172, 25.7614

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.6586, 38.5609, 34.8944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0127, 40.2172, 25.7614 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(154, 178, 126)` looks like.

```
.text, #text, p{  
    color:rgb(154, 178, 126)  
}
```

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(154, 178, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 178, 126) }
```

Border

The CSS property to change the border of an element to XYZ 33.0127, 40.2172, 25.7614 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(154, 178, 126) }
```


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

```
.border{ border-color:rgb(154, 178, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 178, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 178, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 178, 126);  
box-shadow:4px 4px 4px 4px rgb(154, 178,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0127, 40.2172, 25.7614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 178, 126) }
```

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

```
.background{ background-color: rgb(154,  
178, 126) }
```

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