

Converting Colors

XYZ(33.2817, 40.7494, 12.8403)

Have a look what the booklet for
XYZ(33.2817, 40.7494, 12.8403)
contains.

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Color

**XYZ(33.1267, 40.5643,
12.7403)**

Conversions

Conversions Part 1

Format	Color
Hex	A7B24B
RGB	167, 178, 75
RGB Percent	65%, 70%, 29%
CMY	0.3451, 0.3019, 0.7059
CMYK	0.06, 0.00, 0.58, 0.30
HSL	66°, 41%, 50%
HSV	66°, 58%, 70%
XYZ	33.1267, 40.5643, 12.7403
YIQ	162.9690, 26.5070, -34.3650

Conversions

Conversions Part 2

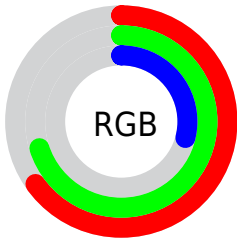
Format	Color
RYB	75, 178, 86
Decimal	10990155
CIELab	69.87, -18.26, 50.23
CIELCh	70, 53.444, 109.975
Yxy	40.5643, 0.3833, 0.4693
Android (android.graphics.Color)	4289180235 (0xFFA7B24B)
YUV	162.9690, -43.3687, 3.5352
Hunter-Lab	63.6901, -18.6157, 32.7230

Details

The XYZ color **33.1267, 40.5643, 12.7403** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.3911, 10.2259, 43.3373**, and the grayscale version is **34.9886, 36.8107, 40.0869**.

A 20% lighter version of the original color is **63.9941, 76.2252, 31.4188**, and **14.1420, 18.1625, 3.4222** is the 20% darker color. If you saturate the color by 10%, you get **32.2023, 40.1499, 9.9499**, and if you desaturate by 10%, it is **34.2294, 41.0536, 16.4304**.

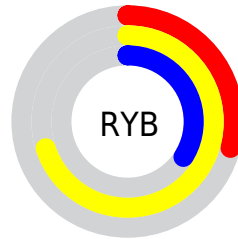
Distribution



Red (65%)

Green (70%)

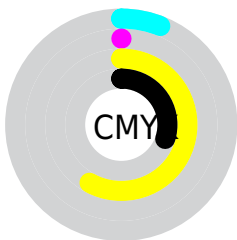
Blue (29%)



Red (29%)

Yellow (70%)

Blue (34%)

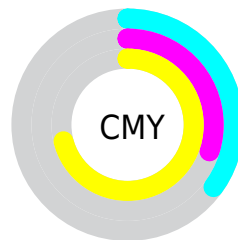


Cyan (6%)

Magenta (0%)

Yellow (58%)

Black (30%)



Cyan (35%)

Magenta (30%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1267, 40.5643, 12.7403 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 33.1267, 40.5643, 12.7403 by changing the saturation by 10% instead.

■ 33.1267, 40.5643,
12.7403

■ 33.1267, 40.5643,
12.7403

307.8752,
348.4963, 220.3956

■ 22.3832, 27.9788,
7.1213

■ 63.9266, 76.0220,
31.5207

■ 14.2569, 18.3097,
3.4585

■ 84.7138, 99.6631,
45.5193

■ 8.3825, 11.1725,
1.3333

■ 109.5796,
127.7581, 63.1482

■ 4.3945, 6.1830,
0.0888

■ 138.8894,
160.6914, 84.8258

■ 1.9276, 2.9567,
0.0000

■ 173.0084,
198.8475, 110.9709

■ 0.5928, 1.1092,
0.0000

212.3022,

■ 0.0000, 0.0000,

242.6108, 142.0018

0.0000

257.1360,
292.3656, 178.3372

■ 33.1267, 40.5643,
12.7403

■ 33.1267, 40.5643,
12.7403

■ 32.2023, 40.1499,
9.9499

■ 34.2294, 41.0536,
16.4304

■ 31.4386, 39.7990,
7.9795

■ 35.5206, 41.6175,
21.0856

■ 30.8195, 39.5067,
6.7402

■ 37.0127, 42.2625,
26.7686

■ 30.3181, 39.2621,
6.0896

■ 38.7167, 42.9929,
33.5356

■ 30.2166, 39.2121,
5.9761

■ 40.6425, 43.8128,
41.4390

■ 42.7993, 44.7257,
50.5279

■ 45.1960, 45.7353,
60.8483

■ 47.8409, 46.8449,
72.4437

■ 50.7418, 48.0576,
85.3559

Harmonies

Analogous

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



41.5363, 40.5643, 11.8258



33.1267, 40.5643, 12.7403



27.1279, 40.5643, 19.9949

Triad

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



33.1267, 40.5643, 12.7403



28.7807, 40.5643, 91.8526



57.4508, 40.5643, 53.0286

Complementary

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



33.1267, 40.5643, 12.7403



14.3911, 10.2259, 43.3373

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.



52.8106, 40.5643, 82.6235



33.1267, 40.5643, 12.7403



35.7202, 40.5643, 109.9956

Square

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



33.1267, 40.5643, 12.7403



24.8923, 40.5643, 62.6047



44.5464, 40.5643, 106.0979



56.4783, 40.5643, 29.7603

Rectangle

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



33.1267, 40.5643, 12.7403



24.8961, 40.5643, 29.7297



44.5464, 40.5643, 106.0979



56.4718, 40.5643, 62.6550

Sweetspot

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



33.1277, 40.5662, 12.7411



70.3945, 78.0409, 61.5725



22.9037, 16.5184, 8.6383



15.4526, 17.2287, 13.0631



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.



33.1277, 40.5662, 12.7411



58.0457, 72.6468, 17.0828



24.4210, 36.0777, 12.3337



9.1058, 9.8596, 9.0757



21.6509, 28.0715, 4.2772



0.7066, 0.8964, 0.1358

Inverse Universe

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



14.3911, 10.2259, 43.3373



21.0098, 12.5814, 77.7023



20.8370, 13.5489, 43.6390



8.1235, 8.2722, 10.6749



5.9694, 2.4132, 30.2882



0.2150, 0.0899, 0.9543

Previews

White Background



This preview shows how the XYZ color 33.1267, 40.5643, 12.7403 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 33.1267, 40.5643, 12.7403 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 33.1267, 40.5643, 12.7403

Background



This preview shows how black text looks on a background with the XYZ color 33.1267, 40.5643, 12.7403.



This preview shows how white text looks on a background with the XYZ color 33.1267, 40.5643,

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

33.1267, 40.5643, 12.7403

Protanopia

37.0007, 40.5540, 12.1809

Deuteranopia

41.1956, 40.2541, 12.9957



Tritanopia

40.4170, 40.3977, 48.8473

Trichromacy



Original Color

33.1267, 40.5643, 12.7403

Protanomaly

35.6635, 40.7116, 12.4570

Deuteranomaly

37.8835, 40.1574, 12.9622

Tritanomaly

36.9010, 40.0775, 31.3820

Monochromacy



Original Color

33.1267, 40.5643, 12.7403

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.4092, 37.5365, 26.9571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1267, 40.5643, 12.7403 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(167, 178, 75)` looks like.

```
.text, #text, p{  
    color:rgb(167, 178, 75)  
}
```

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(167, 178, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 178, 75) }
```

Border

The CSS property to change the border of an element to XYZ 33.1267, 40.5643, 12.7403 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(167, 178, 75) }
```


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

```
.border{ border-color:rgb(167, 178, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 178, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 178, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 178, 75);  
box-shadow:4px 4px 4px 4px rgb(167, 178,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1267, 40.5643, 12.7403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 178, 75) }
```

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

```
.background{ background-color: rgb(167,  
178, 75) }
```

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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