

Converting Colors

XYZ(33.0986, 48.4226, 26.1448)

Have a look what the booklet for
XYZ(33.0986, 48.4226, 26.1448)
contains.

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Color

**XYZ(33.0372, 48.3280,
25.9993)**

Conversions

Conversions Part 1

Format	Color
Hex	7BCB7A
RGB	123, 203, 122
RGB Percent	48%, 80%, 48%
CMY	0.5176, 0.2039, 0.5216
CMYK	0.39, 0.00, 0.40, 0.20
HSL	119°, 44%, 64%
HSV	119°, 40%, 80%
XYZ	33.0372, 48.3280, 25.9993
YIQ	169.8460, -21.6790, -42.1510

Conversions

Conversions Part 2

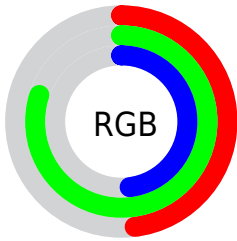
Format	Color
RYB	122, 203, 202
Decimal	8113018
CIELab	75.03, -40.82, 32.87
CIElCh	75, 52.412, 141.158
Yxy	48.3280, 0.3077, 0.4501
Android (android.graphics.Color)	4286303098 (0xFF7BCB7A)
YUV	169.8460, -23.5881, -41.0839
Hunter-Lab	69.5183, -36.8286, 26.4889

Details

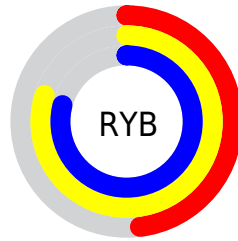
The XYZ color **33.0372, 48.3280, 25.9993** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **42.0983, 30.7889, 60.2265**, and the grayscale version is **38.2543, 40.2465, 43.8285**.

A 20% lighter version of the original color is **62.0883, 84.1989, 53.5370**, and **14.1435, 22.8766, 9.8011** is the 20% darker color. If you saturate the color by 10%, you get **29.3283, 46.5479, 19.9318**, and if you desaturate by 10%, it is **37.5987, 50.5201, 33.4801**.

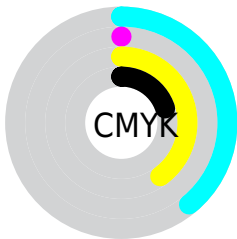
Distribution



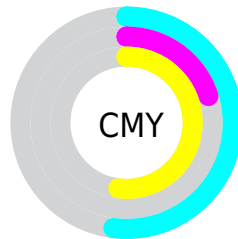
- Red (48%)
- Green (80%)
- Blue (48%)



- Red (48%)
- Yellow (80%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (20%)



- Cyan (52%)
- Magenta (20%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0372, 48.3280, 25.9993 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 33.0372, 48.3280, 25.9993 by changing the saturation by 10% instead.

■ 33.0372, 48.3280,
25.9993

■ 33.0372, 48.3280,
25.9993

307.4793,
380.0908, 296.3840

■ 22.3143, 34.0867,
16.5974

■ 63.7879, 87.6926,
54.2579

■ 14.2059, 22.9602,
9.7889

■ 84.5464, 113.5846,
73.9516

■ 8.3467, 14.5641,
5.1555

■ 109.3809,
144.1291, 97.9130

■ 4.3712, 8.5141,
2.2784

138.6566,
179.7103, 126.5606

■ 1.9142, 4.4256,
0.7191

172.7389,
220.7127, 160.3130

■ 0.5851, 1.9144,
0.0000

211.9933,

■ 0.0000, 0.5570,

267.5206, 199.5886

0.0000

256.7850,
320.5185, 244.8061

■ 0.0000, 0.0000,
0.0000

■ 33.0372, 48.3280,
25.9993

■ 33.0372, 48.3280,
25.9993

■ 29.3283, 46.5479,
19.9318

■ 37.5987, 50.5201,
33.4801

■ 26.4157, 45.1484,
15.1860

■ 43.0572, 53.1412,
42.4520

■ 24.2423, 44.1037,
11.6643

■ 49.4585, 56.2145,
52.9908

■ 22.7416, 43.3818,
9.2545

■ 56.8442, 59.7601,
65.1662

■ 21.8353, 42.9453,
7.8238

■ 65.2532, 63.7967,
79.0438

■ 21.3918, 42.7317,
7.1263

■ 74.7227, 68.3420,
94.6855

■ 21.3882, 42.7300,
7.1204

■ 80.6469, 71.1938,
104.0990

Harmonies

Analogous

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



39.6056, 48.3280, 17.1791



33.0372, 48.3280, 25.9993



30.0409, 48.3280, 44.9265

Triad

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



33.0372, 48.3280, 25.9993



43.1626, 48.3280, 123.7907



65.3280, 48.3280, 35.7947

Complementary

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



33.0372, 48.3280, 25.9993



42.0983, 30.7889, 60.2265

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.



66.6292, 48.3280, 61.1474



33.0372, 48.3280, 25.9993



52.9037, 48.3280, 118.6849

Square

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



33.0372, 48.3280, 25.9993



35.3298, 48.3280, 105.2867



61.8147, 48.3280, 93.0921



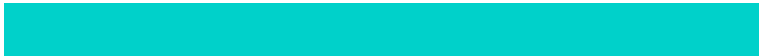
58.4731, 48.3280, 21.3147

Rectangle

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



33.0372, 48.3280, 25.9993



30.1383, 48.3280, 63.4958



61.8147, 48.3280, 93.0921



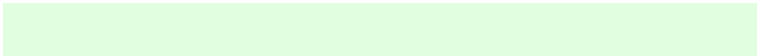
66.4638, 48.3280, 43.0646

Sweetspot

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



33.0384, 48.3300, 26.0004



80.2508, 92.8953, 84.5067



49.1822, 56.1812, 26.6649



16.8638, 19.7331, 17.5722



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.0384, 48.3300, 26.0004



49.8150, 78.2797, 34.5297



35.8298, 49.4302, 41.4416



11.0806, 12.5434, 11.9166



13.6164, 27.1948, 4.5315



0.7070, 1.4053, 0.2340

Inverse Universe

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



42.0983, 30.7889, 60.2265



67.0697, 44.8606, 99.7317



38.2771, 29.2917, 38.6889



11.6734, 11.3964, 14.1549



22.1092, 10.6053, 36.8380



1.1451, 0.5494, 1.9006

Previews

White Background



This preview shows how the XYZ color 33.0372, 48.3280, 25.9993 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 33.0372, 48.3280, 25.9993 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 33.0372, 48.3280, 25.9993

Background



This preview shows how black text looks on a background with the XYZ color 33.0372, 48.3280, 25.9993.



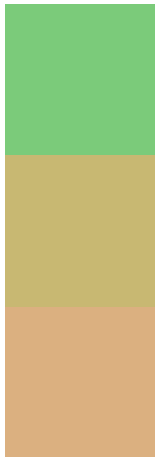
This preview shows how white text looks on a background with the XYZ color 33.0372, 48.3280,

25.9993.

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

33.0372, 48.3280, 25.9993

Protanopia

43.9972, 47.7752, 22.8222

Deuteranopia

48.6350, 47.6692, 27.0598



Tritanopia

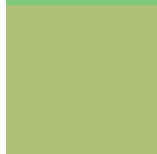
41.2703, 48.2694, 66.8163

Trichromacy



Original Color

33.0372, 48.3280, 25.9993



Protanomaly

38.8549, 47.3166, 23.9148



Deuteranomaly

41.0920, 46.8145, 26.6090



Tritanomaly

37.7336, 48.1752, 48.9049

Monochromacy



Original Color

33.0372, 48.3280, 25.9993



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.6146, 42.5281, 36.4686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0372, 48.3280, 25.9993 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(123, 203, 122)` looks like.

```
.text, #text, p{  
    color:rgb(123, 203, 122)  
}
```

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(123, 203, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 203, 122) }
```

Border

The CSS property to change the border of an element to XYZ 33.0372, 48.3280, 25.9993 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(123, 203, 122) }
```


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

```
.border{ border-color:rgb(123, 203, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 203, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 203, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 203, 122);  
box-shadow:4px 4px 4px 4px rgb(123, 203,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0372, 48.3280, 25.9993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 203, 122) }
```

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

```
.background{ background-color: rgb(123,  
203, 122) }
```

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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