

# Converting Colors

XYZ(24.8959, 33.1043, 22.9327)

Have a look what the booklet for  
XYZ(24.8959, 33.1043, 22.9327)  
contains.

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# Color

**XYZ(25.0005, 33.2833,  
22.8759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77A878
RGB	119, 168, 120
RGB Percent	47%, 66%, 47%
CMY	0.5333, 0.3412, 0.5294
CMYK	0.29, 0.00, 0.29, 0.34
HSL	121°, 22%, 56%
HSV	121°, 29%, 66%
XYZ	25.0005, 33.2833, 22.8759
YIQ	147.8770, -13.7960, -25.3160

# Conversions

## Conversions Part 2

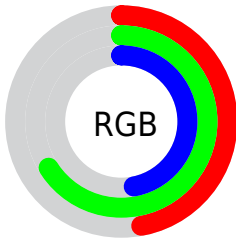
Format	Color
<a href="#">RYB</a>	<a href="#">119, 167, 168</a>
Decimal	<a href="#">7841912</a>
CIELab	<a href="#">64.39, -26.15, 19.71</a>
CIElCh	<a href="#">64, 32.740, 142.994</a>
Yxy	<a href="#">33.2833, 0.3080, 0.4101</a>
Android (android.graphics.Color)	<a href="#">4286031992 (0xFF77A878)</a>
YUV	<a href="#">147.8770, -13.7434, -25.3251</a>
Hunter-Lab	<a href="#">57.6917, -23.6081, 16.8745</a>

# Details

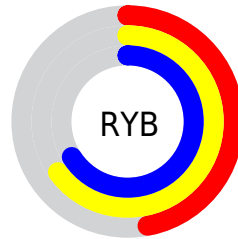
The XYZ color **25.0005, 33.2833, 22.8759** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.7214, 24.3091, 39.6861**, and the grayscale version is **28.1573, 29.6237, 32.2602**.

A 20% lighter version of the original color is **50.9438, 64.5631, 49.3121**, and **9.7666, 14.1747, 8.1825** is the 20% darker color. If you saturate the color by 10%, you get **21.9811, 31.8334, 17.9616**, and if you desaturate by 10%, it is **28.6009, 35.0149, 28.7149**.

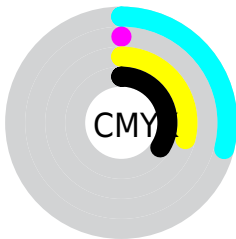
# Distribution



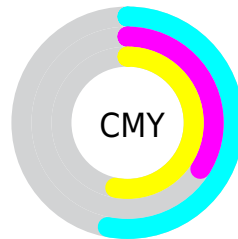
- Red (47%)
- Green (66%)
- Blue (47%)



- Red (47%)
- Yellow (65%)
- Blue (66%)



- Cyan (29%)
- Magenta (0%)
- Yellow (29%)
- Black (34%)



- Cyan (53%)
- Magenta (34%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0005, 33.2833, 22.8759 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 25.0005, 33.2833, 22.8759 by changing the saturation by 10% instead.



■ 25.0005, 33.2833,  
22.8759

■ 25.0005, 33.2833,  
22.8759

270.1880,  
316.9244, 280.1882

■ 16.2062, 22.3436,  
14.2975

■ 51.1009, 64.8176,  
49.1101

■ 9.7619, 14.1096,  
8.1867

■ 69.1377, 86.1809,  
67.6029

■ 5.3024, 8.1969,  
4.1252

■ 90.9860, 111.7876,  
90.2376

■ 2.4624, 4.2212,  
1.6943

117.0112,  
142.0219, 117.4327

■ 0.8763, 1.7981,  
0.3568

147.5787,  
177.2684, 149.6068

■ 0.0000, 0.4860,  
0.0000

183.0537,

■ 0.0000, 0.0000,

217.9113, 187.1784

0.0000

223.8017,  
264.3352, 230.5660

■ 25.0005, 33.2833,  
22.8759

■ 25.0005, 33.2833,  
22.8759

■ 21.9811, 31.8334,  
17.9616

■ 28.6009, 35.0149,  
28.7149

■ 19.5099, 30.6462,  
13.9225

■ 32.8078, 37.0373,  
35.5203

■ 17.5547, 29.7074,  
10.7080


■ 37.6483, 39.3647,  
43.3338


■ 16.0791, 28.9994,  
8.2613


■ 43.1470, 42.0090,  
52.1942


■ 15.0417, 28.5021,  
6.5184


■ 49.3272, 44.9814,  
62.1380


 14.3943, 28.1923,  
5.4051


 56.2113, 48.2925,  
73.2002

 14.0471, 28.0262,  
4.8071

 63.8205, 51.9527,  
85.4142

 14.0221, 28.0142,  
4.7668

 72.1750, 55.9717,  
98.8117

 73.2933, 56.4866,  
101.6478

# Harmonies

## Analogous

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



28.2595, 33.2833, 17.3670



25.0005, 33.2833, 22.8759



23.5431, 33.2833, 33.1969

# Triad

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



25.0005, 33.2833, 22.8759



30.5536, 33.2833, 68.1728



40.6283, 33.2833, 27.1049

# Complementary

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



25.0005, 33.2833, 22.8759



29.7214, 24.3091, 39.6861

# 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.



41.3958, 33.2833, 39.4632



25.0005, 33.2833, 22.8759



35.2686, 33.2833, 65.3941

# Square

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



25.0005, 33.2833, 22.8759



26.5386, 33.2833, 60.8605



39.3497, 33.2833, 53.9992



37.3449, 33.2833, 19.3567



# Rectangle

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



25.0005, 33.2833, 22.8759



23.6769, 33.2833, 42.3266



39.3497, 33.2833, 53.9992



41.2015, 33.2833, 30.7665

# Sweetspot

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



25.0014, 33.2847, 22.8766



59.5341, 67.2075, 64.4575



33.3090, 37.5744, 22.9499



12.7278, 14.5290, 13.6480



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.



25.0014, 33.2847, 22.8766



41.7016, 58.6359, 35.5508



26.6696, 33.9520, 31.6612



7.4427, 8.4101, 8.0516



10.5908, 21.1551, 3.6119



0.2596, 0.5155, 0.0978



# Inverse Universe

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



29.7214, 24.3091, 39.6861



51.6779, 39.6632, 71.0779



27.6802, 23.4926, 28.9374



7.8352, 7.6639, 9.4493



17.2961, 8.3272, 27.4347



0.4228, 0.2034, 0.6780



# Previews

## White Background



This preview shows how the XYZ color 25.0005, 33.2833, 22.8759 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 25.0005, 33.2833, 22.8759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

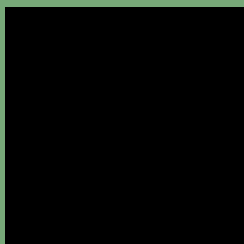
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 25.0005, 33.2833, 22.8759**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0005, 33.2833, 22.8759.



This preview shows how white text looks on a background with the XYZ color 25.0005, 33.2833,



# 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

25.0005, 33.2833, 22.8759

### Protanopia

30.6950, 32.8731, 20.6469

### Deuteranopia

33.4416, 32.7739, 23.6322



## Tritanopia

29.4381, 33.2129, 44.9036

# Trichromacy



## Original Color

25.0005, 33.2833, 22.8759

## Protanomaly

28.3009, 32.8866, 21.3791

## Deuteranomaly

29.5642, 32.4761, 23.4492

## Tritanomaly

27.5656, 33.2440, 35.5357

# Monochromacy



## Original Color

25.0005, 33.2833, 22.8759

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

26.6253, 30.5960, 28.5471

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0005, 33.2833, 22.8759 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(119, 168, 120)` looks like.

```
.text, #text, p{  
    color:rgb(119, 168, 120)  
}
```

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(119, 168, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 168, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0005, 33.2833, 22.8759 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(119, 168, 120) }
```



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

```
.border{ border-color:rgb(119, 168, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 168, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 168, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 168, 120);  
box-shadow:4px 4px 4px 4px rgb(119, 168,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0005, 33.2833, 22.8759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 168, 120) }
```

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

```
.background{ background-color: rgb(119,  
168, 120) }
```

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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