

Converting Colors

XYZ(33.8754, 42.2500, 22.2892)

Have a look what the booklet for
XYZ(33.8754, 42.2500, 22.2892)
contains.

XYZ(33.8754, 42.2500, 22.2892)	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(33.8754, 42.2500,
22.2892)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB772
RGB	157, 183, 114
RGB Percent	62%, 72%, 45%
CMY	0.3843, 0.2823, 0.5529
CMYK	0.14, 0.00, 0.38, 0.28
HSL	83°, 32%, 58%
HSV	83°, 38%, 72%
XYZ	33.8754, 42.2500, 22.2892
YIQ	167.3600, 6.6530, -26.9710

Conversions

Conversions Part 2

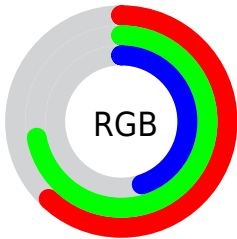
Format	Color
RYB	114, 183, 140
Decimal	10336114
CIELab	71.04, -20.68, 32.20
CIELCh	71, 38.273, 122.712
Yxy	42.2500, 0.3442, 0.4293
Android (android.graphics.Color)	4288526194 (0xFF9DB772)
YUV	167.3600, -26.3065, -9.0857
Hunter-Lab	65.0000, -20.7229, 25.1688

Details

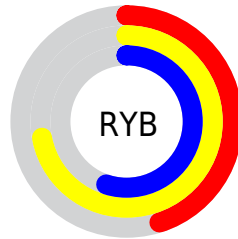
The XYZ color **33.8754, 42.2500, 22.2892** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.3814, 21.0301, 47.5236**, and the grayscale version is **37.0293, 38.9577, 42.4249**.

A 20% lighter version of the original color is **64.9929, 78.5201, 48.2896**, and **14.6457, 19.2900, 7.9525** is the 20% darker color. If you saturate the color by 10%, you get **31.6288, 41.2017, 17.2801**, and if you desaturate by 10%, it is **36.4086, 43.4246, 28.4013**.

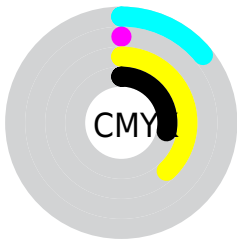
Distribution



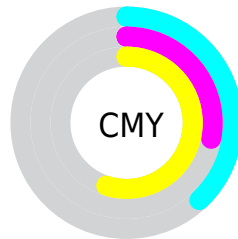
- Red (62%)
- Green (72%)
- Blue (45%)



- Red (45%)
- Yellow (72%)
- Blue (55%)



- Cyan (14%)
- Magenta (0%)
- Yellow (38%)
- Black (28%)





- Cyan (38%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8754, 42.2500, 22.2892 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 33.8754, 42.2500, 22.2892 by changing the saturation by 10% instead.


 33.8754, 42.2500,
22.2892


 33.8754, 42.2500,
22.2892


311.1718,
355.5182, 277.0555


 22.9603, 29.2971,
13.8692


 65.0854, 78.5778,
48.1318

 14.6848, 19.3057,
7.8920


 86.1111, 102.7216,
66.3915

 8.6833, 11.8914,
3.9392


 111.2377,
131.3644, 88.7682

 4.5906, 6.6697,
1.5920

 140.8306,
164.8907, 115.6805

 2.0414, 3.2564,
0.2851

175.2551,
203.6848, 147.5468

 0.6571, 1.2670,
0.0000

214.8765,

 0.0000, 0.1155,

248.1312, 184.7857

0.0000

260.0603,
298.6142, 227.8157

■ 0.0000, 0.0000,
0.0000

■ 33.8754, 42.2500,
22.2892

■ 33.8754, 42.2500,
22.2892

■ 31.6288, 41.2017,
17.2801

■ 36.4086, 43.4246,
28.4013

■ 29.6517, 40.2684,
13.3054

■ 39.2378, 44.7250,
35.6741

■ 27.9303, 39.4459,
10.2931


■ 42.3758, 46.1581,
44.1645

■ 26.4474, 38.7271,
8.1607


■ 45.8339, 47.7283,
53.9249


■ 25.1835, 38.1041,
6.8121


■ 49.6225, 49.4401,
65.0047


 24.1095, 37.5650,
6.1007

 53.7515, 51.2975,
77.4505

 23.8788, 37.4487,
5.9698

 58.2305, 53.3044,
91.3068

 62.1858, 55.1116,
101.9678

 64.2189, 56.1597,
102.0629

Harmonies

Analogous

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



39.5787, 42.2500, 19.0419



33.8754, 42.2500, 22.2892



30.1958, 42.2500, 31.6800

Triad

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



33.8754, 42.2500, 22.2892



34.7825, 42.2500, 84.9069



53.7263, 42.2500, 44.3579

Complementary

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



33.8754, 42.2500, 22.2892



25.3814, 21.0301, 47.5236

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.



52.0992, 42.2500, 64.0994



33.8754, 42.2500, 22.2892



40.7416, 42.2500, 90.8758

Square

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



33.8754, 42.2500, 22.2892



30.6792, 42.2500, 67.7652



47.1716, 42.2500, 82.4260



51.4106, 42.2500, 29.4837

Rectangle

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



33.8754, 42.2500, 22.2892



29.1591, 42.2500, 41.6810



47.1716, 42.2500, 82.4260



53.6225, 42.2500, 50.6141

Sweetspot

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



33.8765, 42.2519, 22.2901



73.8728, 81.7444, 73.5545



31.8434, 29.8358, 20.0007



16.1475, 17.9778, 15.7876



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.8765, 42.2519, 22.2901



57.3944, 74.1399, 32.5570



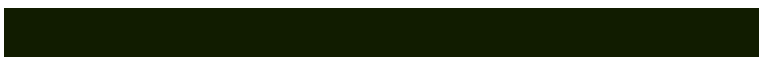
28.1691, 39.3096, 22.0230



9.4133, 10.3297, 9.6046



16.7354, 26.1637, 4.1681



0.6563, 0.9565, 0.1500

Inverse Universe

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



25.3814, 21.0301, 47.5236



40.0667, 30.8224, 84.0733



31.9772, 24.4303, 47.8323



8.8324, 8.8799, 11.3279



7.7439, 3.3033, 31.4825



0.3426, 0.1523, 1.1131

Previews

White Background



This preview shows how the XYZ color 33.8754, 42.2500, 22.2892 looks on a white background.

Color Contrast Check

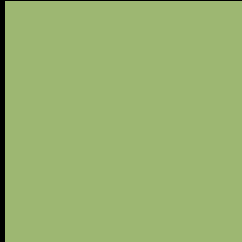
Large Text (above 18pt) WCAG AA × Fail

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 33.8754, 42.2500, 22.2892 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 33.8754, 42.2500, 22.2892

Background



This preview shows how black text looks on a background with the XYZ color 33.8754, 42.2500, 22.2892.



This preview shows how white text looks on a background with the XYZ color 33.8754, 42.2500,

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

33.8754, 42.2500, 22.2892

Protanopia

38.9368, 42.2167, 20.8483

Deuteranopia

42.9187, 41.9903, 22.9824



Tritanopia

40.1495, 42.1184, 53.5905

Trichromacy



Original Color

33.8754, 42.2500, 22.2892

Protanomaly

36.7228, 41.9391, 21.1985

Deuteranomaly

38.9497, 41.6082, 22.8079

Tritanomaly

37.2594, 41.8040, 39.8234

Monochromacy



Original Color

33.8754, 42.2500, 22.2892

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.3931, 39.8118, 33.8360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8754, 42.2500, 22.2892 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(157, 183, 114)` looks like.

```
.text, #text, p{  
    color:rgb(157, 183, 114)  
}
```

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(157, 183, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 183, 114) }
```

Border

The CSS property to change the border of an element to XYZ 33.8754, 42.2500, 22.2892 is called "border". The border property can be set on classes, ids or directly on the HTML element.

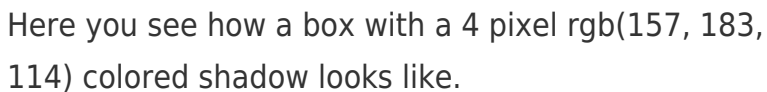
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 183, 114) }
```


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

```
.border{ border-color:rgb(157, 183, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 183, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 183, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 183, 114);  
box-shadow:4px 4px 4px 4px rgb(157, 183,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8754, 42.2500, 22.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 183, 114) }
```

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

```
.background{ background-color: rgb(157,  
183, 114) }
```

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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