

# Converting Colors

XYZ(43.3935, 48.9230, 25.6725)

Have a look what the booklet for  
XYZ(43.3935, 48.9230, 25.6725)  
contains.

<b>XYZ(43.4487, 49.0068, 25.5816)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.4487, 49.0068,  
25.5816)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0BD7A
RGB	192, 189, 122
RGB Percent	75%, 74%, 48%
CMY	0.2471, 0.2588, 0.5216
CMYK	0.00, 0.02, 0.36, 0.25
HSL	57°, 36%, 62%
HSV	57°, 36%, 75%
XYZ	43.4487, 49.0068, 25.5816
YIQ	182.2590, 23.2950, -20.2010

# Conversions

## Conversions Part 2

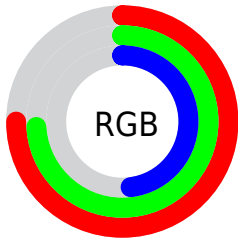
Format	Color
<a href="#">RYB</a>	<a href="#">125, 192, 122</a>
Decimal	<a href="#">12631418</a>
CIELab	<a href="#">75.46, -9.04, 34.27</a>
CIELCh	<a href="#">75, 35.443, 104.773</a>
Yxy	<a href="#">49.0068, 0.3681, 0.4152</a>
Android (android.graphics.Color)	<a href="#">4290821498</a> ( <a href="#">0xFFC0BD7A</a> )
YUV	<a href="#">182.2590, -29.7077, 8.5429</a>
Hunter-Lab	<a href="#">70.0049, -11.7220, 27.3373</a>

# Details

The XYZ color **43.4487, 49.0068, 25.5816** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.8740, 22.6100, 52.9224**, and the grayscale version is **44.7537, 47.0844, 51.2749**.

A 20% lighter version of the original color is **79.4572, 88.5397, 53.4595**, and **20.2904, 23.3946, 9.5771** is the 20% darker color. If you saturate the color by 10%, you get **42.1990, 48.2267, 19.8645**, and if you desaturate by 10%, it is **44.9369, 49.8874, 32.5390**.

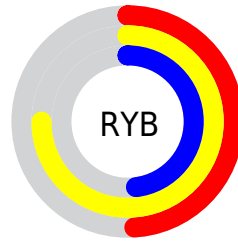
# Distribution



Red (75%)

Green (74%)

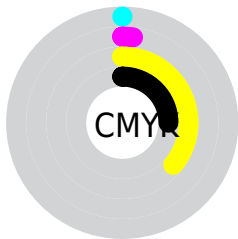
Blue (48%)



Red (49%)

Yellow (75%)

Blue (48%)

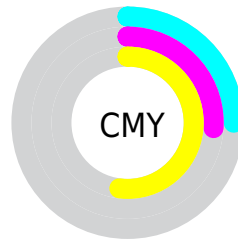


Cyan (0%)

Magenta (2%)

Yellow (36%)

Black (25%)



Cyan (25%)

Magenta (26%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4487, 49.0068, 25.5816 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 43.4487, 49.0068, 25.5816 by changing the saturation by 10% instead.



■ 43.4487, 49.0068,  
25.5816

■ 43.4487, 49.0068,  
25.5816

351.3441,  
382.7691, 294.2619

■ 30.4334, 34.6249,  
16.2879

■ 79.6390, 88.7016,  
53.5750

■ 20.3175, 23.3741,  
9.5716

■ 103.5447,  
114.7832, 73.1117

■ 12.7356, 14.8700,  
5.0140

■ 131.8113,  
145.5335, 96.9000

■ 7.3225, 8.7282,  
2.1966

164.8040,  
181.3369, 125.3582

■ 3.7127, 4.5643,  
0.6724

202.8883,  
222.5777, 158.9050

■ 1.5409, 1.9940,  
0.0000

246.4296,

■ 0.3534, 0.6040,

269.6404, 197.9588

0.0000

295.7930,  
322.9094, 242.9383

■ 0.0000, 0.0000,  
0.0000

■ 43.4487, 49.0068,  
25.5816

■ 43.4487, 49.0068,  
25.5816

■ 42.1990, 48.2267,  
19.8645

■ 44.9369, 49.8874,  
32.5390

■ 41.1702, 47.5348,  
15.3112

■ 46.6728, 50.8670,  
40.8008

■ 40.3481, 46.9272,  
11.8419


■ 48.6694, 51.9524,  
50.4304


■ 39.7155, 46.3970,  
9.3653


■ 50.9377, 53.1481,  
61.4863

■ 39.2522, 45.9360,  
7.7751


■ 53.4883, 54.4584,  
74.0234


 38.9318, 45.5338,  
6.9323

 56.3311, 55.8871,  
88.0940

 38.8341, 45.3981,  
6.7159

 59.2487, 57.3474,  
102.5542

 59.4330, 57.7160,  
102.6156

 59.6183, 58.0866,  
102.6773

# Harmonies

## Analogous

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



49.9578, 49.0068, 25.6268



43.4487, 49.0068, 25.5816



38.2792, 49.0068, 31.6755

# Triad

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



43.4487, 49.0068, 25.5816



38.2175, 49.0068, 82.9259



59.7844, 49.0068, 63.3794

# Complementary

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



43.4487, 49.0068, 25.5816



24.8740, 22.6100, 52.9224

# 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.



56.0004, 49.0068, 83.1966



43.4487, 49.0068, 25.5816



43.3570, 49.0068, 96.1533

# Square

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



43.4487, 49.0068, 25.5816



35.4565, 49.0068, 63.0711



49.8572, 49.0068, 96.2625



59.8149, 49.0068, 44.7008



# Rectangle

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



43.4487, 49.0068, 25.5816



36.1132, 49.0068, 39.4466



49.8572, 49.0068, 96.2625



58.8946, 49.0068, 70.2119

# Sweetspot

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



43.4499, 49.0090, 25.5826



86.4189, 93.1822, 82.8276



32.4319, 26.6196, 22.9993



18.4343, 19.9333, 17.2612



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



43.4499, 49.0090, 25.5826



76.8295, 87.6202, 37.6524



36.9602, 46.6299, 25.4654



10.8753, 11.6820, 10.7435



26.1462, 30.5781, 4.5241



1.1413, 1.3444, 0.1993



# Inverse Universe

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



24.8740, 22.6100, 52.9224



38.1173, 32.6101, 94.6457



29.7059, 24.5465, 53.0416



9.5621, 9.8155, 12.6754



6.4768, 2.7101, 33.7384



0.2920, 0.1414, 1.4618



# Previews

## White Background



This preview shows how the XYZ color 43.4487, 49.0068, 25.5816 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 43.4487, 49.0068, 25.5816 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

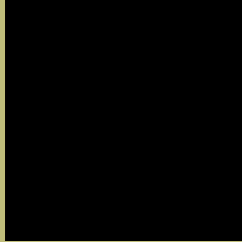
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.4487, 49.0068, 25.5816**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.4487, 49.0068, 25.5816.



This preview shows how white text looks on a background with the XYZ color 43.4487, 49.0068,



# 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

43.4487, 49.0068, 25.5816

### Protanopia

45.3672, 49.0548, 25.1666

### Deuteranopia

49.9899, 48.9840, 25.8889



## Tritanopia

49.8783, 48.8169, 57.8327

# Trichromacy



## Original Color

43.4487, 49.0068, 25.5816

## Protanomaly

44.5102, 48.9269, 25.1871

## Deuteranomaly

47.4545, 48.8830, 25.6731

## Tritanomaly

47.0273, 48.5644, 43.9411

# Monochromacy



## Original Color

43.4487, 49.0068, 25.5816

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.9438, 47.6751, 40.1438

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4487, 49.0068, 25.5816 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(192, 189, 122)` looks like.

```
.text, #text, p{  
    color:rgb(192, 189, 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(192, 189, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 189, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4487, 49.0068, 25.5816 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(192, 189, 122) }
```



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

```
.border{ border-color:rgb(192, 189, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 189, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 189, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 189, 122);  
box-shadow:4px 4px 4px 4px rgb(192, 189,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4487, 49.0068, 25.5816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 189, 122) }
```

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

```
.background{ background-color: rgb(192,  
189, 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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