

# Converting Colors

XYZ(24.2191, 22.4762, 15.4689)

Have a look what the booklet for  
XYZ(24.2191, 22.4762, 15.4689)  
contains.

<b>XYZ(24.2088, 22.5400, 15.3866)</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(24.2088, 22.5400,  
15.3866)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A27A65
RGB	162, 122, 101
RGB Percent	64%, 48%, 40%
CMY	0.3647, 0.5216, 0.6039
CMYK	0.00, 0.25, 0.38, 0.36
HSL	21°, 25%, 52%
HSV	21°, 38%, 64%
XYZ	24.2088, 22.5400, 15.3866
YIQ	131.5660, 30.5810, 1.9490

# Conversions

## Conversions Part 2

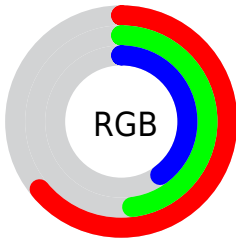
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 133, 101
Decimal	10648165
CIE Lab	54.60, 12.65, 17.54
CIE LCh	55, 21.630, 54.198
Yxy	22.5400, 0.3896, 0.3628
Android (android.graphics.Color)	4288838245 (0xFFA27A65)
YUV	131.5660, -15.0690, 26.6906
Hunter-Lab	47.4763, 7.9360, 14.0181

# Details

The XYZ color **24.2088, 22.5400, 15.3866** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.4130, 24.4243, 37.7683**, and the grayscale version is **21.8212, 22.9576, 25.0008**.

A 20% lighter version of the original color is **49.7170, 47.4445, 36.2431**, and **9.3551, 8.2826, 4.5957** is the 20% darker color. If you saturate the color by 10%, you get **22.2583, 19.7865, 11.1990**, and if you desaturate by 10%, it is **26.4595, 25.6434, 20.4467**.

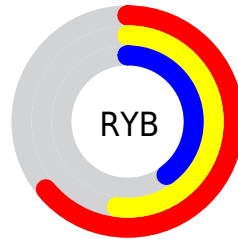
# Distribution



Red (64%)

Green (48%)

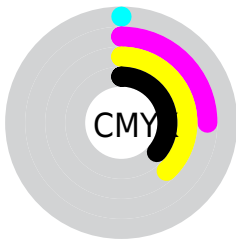
Blue (40%)



Red (64%)

Yellow (52%)

Blue (40%)

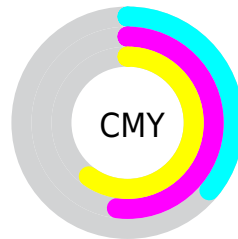


Cyan (0%)

Magenta (25%)

Yellow (38%)

Black (36%)



Cyan (36%)

Magenta (52%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2088, 22.5400, 15.3866 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 24.2088, 22.5400, 15.3866 by changing the saturation by 10% instead.





 24.2088, 22.5400,  
15.3866


 24.2088, 22.5400,  
15.3866


266.2953,  
265.3535, 237.4153


 15.6142, 14.2542,  
8.9415


 49.8229, 47.6369,  
36.2818


 9.3406, 8.2977,  
4.6068


 67.5731, 65.2168,  
51.5691

 5.0229, 4.2860,  
1.9638

 89.1058, 86.6635,  
70.6408

 2.2956, 1.8348,  
0.5329

 114.7865,  
112.3615, 93.9155

 0.7924, 0.5087,  
0.0000

144.9804,  
142.6951, 121.8118

 0.0000, 0.0000,  
0.0000

180.0530,

178.0487, 154.7481

220.3695,  
218.8067, 193.1431

■ 24.2088, 22.5400,  
15.3866

■ 24.2088, 22.5400,  
15.3866

■ 22.2583, 19.7865,  
11.1990

■ 26.4595, 25.6434,  
20.4467

■ 20.5926, 17.3669,  
7.8323

■ 29.0215, 29.1055,  
26.4242

■ 19.1970, 15.2686,  
5.2317

■ 31.9075, 32.9390,  
33.3622

■ 18.0552, 13.4767,  
3.3348

■ 35.1288, 37.1548,  
41.3009

■ 17.1482, 11.9751,  
2.0695

■ 38.6962, 41.7634,  
50.2782

■ 16.4479, 10.7433,  
1.3159

■ 42.6200, 46.7748,  
60.3299

■ 16.3038, 10.4884,  
1.1652

■ 46.9102, 52.1988,  
71.4902

■ 51.5760, 58.0447,  
83.7917

■ 56.6267, 64.3216,  
97.2657

# Harmonies

## Analogous

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



25.8667, 22.5400, 19.5605



24.2088, 22.5400, 15.3866



21.8888, 22.5400, 13.6911

# Triad

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



24.2088, 22.5400, 15.3866



17.1923, 22.5400, 23.2431



23.3513, 22.5400, 38.5155

# Complementary

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



24.2088, 22.5400, 15.3866



21.4130, 24.4243, 37.7683

# 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.



20.9650, 22.5400, 39.9960



24.2088, 22.5400, 15.3866



17.5208, 22.5400, 30.3053

# Square

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



24.2088, 22.5400, 15.3866



17.9278, 22.5400, 17.6564



18.8606, 22.5400, 36.7567



25.3466, 22.5400, 33.0194



# Rectangle

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



24.2088, 22.5400, 15.3866



20.3225, 22.5400, 13.9177



18.8606, 22.5400, 36.7567



22.5638, 22.5400, 39.5372

# Sweetspot

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



24.2094, 22.5411, 15.3871



55.9943, 57.2455, 55.8838



24.4116, 18.9320, 27.8280



12.4240, 12.6554, 12.1850



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



24.2094, 22.5411, 15.3871



41.0060, 36.7741, 21.5844



28.4506, 31.0235, 16.8008



7.2639, 7.4662, 7.4384



12.8814, 8.3368, 0.9302



0.3134, 0.2606, 0.0338



# Inverse Universe

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



21.4130, 24.4243, 37.7683



35.1876, 40.6595, 68.0496



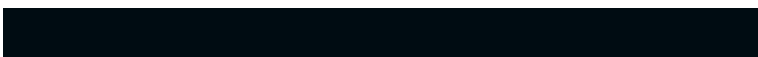
17.5913, 16.7809, 36.4944



7.0698, 7.5986, 8.9971



9.2575, 10.2944, 28.4289



0.2359, 0.2990, 0.6111



# Previews

## White Background



This preview shows how the XYZ color 24.2088, 22.5400, 15.3866 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2088, 22.5400, 15.3866 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 × Fail

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

**XYZ 24.2088, 22.5400, 15.3866**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.2088, 22.5400, 15.3866.



This preview shows how white text looks on a background with the XYZ color 24.2088, 22.5400,



# 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

24.2088, 22.5400, 15.3866

### Protanopia

21.3136, 22.7415, 16.6308

### Deuteranopia

23.0875, 22.7118, 15.2236



## Tritanopia

25.8262, 22.4885, 23.0582

# Trichromacy



## Original Color

24.2088, 22.5400, 15.3866

## Protanomaly

22.2505, 22.6409, 16.2941

## Deuteranomaly

23.5385, 22.7554, 15.2082

## Tritanomaly

25.1767, 22.3942, 20.1351

# Monochromacy



## Original Color

24.2088, 22.5400, 15.3866

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

22.4981, 22.6585, 21.2769

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.2088, 22.5400, 15.3866 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(162, 122, 101)` looks like.

```
.text, #text, p{  
    color:rgb(162, 122, 101)  
}
```

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(162, 122, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 122, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 24.2088, 22.5400, 15.3866 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(162, 122, 101) }
```



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

```
.border{ border-color:rgb(162, 122, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 122, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 122, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 122, 101);  
box-shadow:4px 4px 4px 4px rgb(162, 122,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.2088, 22.5400, 15.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 122, 101) }
```

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

```
.background{ background-color: rgb(162,  
122, 101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor