

Converting Colors

XYZ(24.3365, 24.7666, 15.3615)

Have a look what the booklet for
XYZ(24.3365, 24.7666, 15.3615)
contains.

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Color

**XYZ(24.3500, 24.7438,
15.2970)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8563
RGB	156, 133, 99
RGB Percent	61%, 52%, 39%
CMY	0.3882, 0.4784, 0.6118
CMYK	0.00, 0.15, 0.37, 0.39
HSL	36°, 22%, 50%
HSV	36°, 37%, 61%
XYZ	24.3500, 24.7438, 15.2970
YIQ	136.0010, 24.6220, -5.6980

Conversions

Conversions Part 2

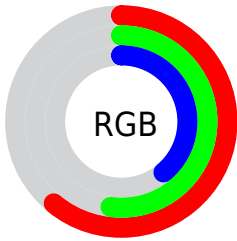
Format	Color
RYB	138, 156, 99
Decimal	10257763
CIELab	56.82, 3.66, 21.59
CIELCh	57, 21.897, 80.384
Yxy	24.7438, 0.3782, 0.3843
Android (android.graphics.Color)	4288447843 (0xFF9C8563)
YUV	136.0010, -18.2415, 17.5391
Hunter-Lab	49.7431, 0.3279, 16.5873

Details

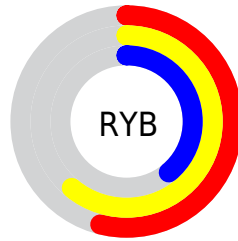
The XYZ color **24.3500, 24.7438, 15.2970** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.1058, 18.9715, 34.1603**, and the grayscale version is **23.4623, 24.6842, 26.8811**.

A 20% lighter version of the original color is **49.9279, 51.1687, 36.0992**, and **9.4991, 9.5316, 4.5879** is the 20% darker color. If you saturate the color by 10%, you get **22.8392, 22.8026, 11.4626**, and if you desaturate by 10%, it is **26.0578, 26.8482, 19.9084**.

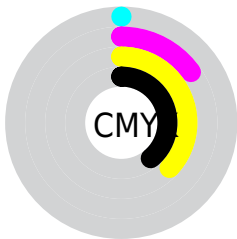
Distribution



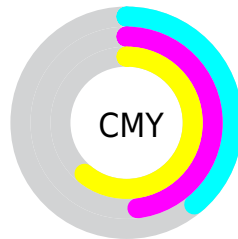
- Red (61%)
- Green (52%)
- Blue (39%)



- Red (54%)
- Yellow (61%)
- Blue (39%)



- Cyan (0%)
- Magenta (15%)
- Yellow (37%)
- Black (39%)



- Cyan (39%)
- Magenta (48%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3500, 24.7438, 15.2970 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 24.3500, 24.7438, 15.2970 by changing the saturation by 10% instead.


 24.3500, 24.7438,
15.2970


 24.3500, 24.7438,
15.2970


266.9930,
276.5596, 236.8593


 15.7196, 15.8863,
8.8792


 50.0513, 51.2413,
36.1230


 9.4155, 9.4437,
4.5667


 67.8529, 69.6500,
51.3683

 5.0725, 5.0317,
1.9411


 89.4422, 92.0113,
70.3931

 2.3250, 2.2659,
0.5187

 115.1847,
118.7096, 93.6160

 0.8074, 0.7556,
0.0000

145.4457,
150.1291, 121.4555

 0.0000, 0.0000,
0.0000

180.5904,

186.6544, 154.3302

220.9844,
228.6697, 192.6586

■ 24.3500, 24.7438,
15.2970

■ 24.3500, 24.7438,
15.2970

■ 22.8392, 22.8026,
11.4626

■ 26.0578, 26.8482,
19.9084

■ 21.5143, 21.0161,
8.3597

■ 27.9692, 29.1172,
25.3360

■ 20.3659, 19.3799,
5.9399

■ 30.0929, 31.5564,
31.6181

■ 19.3825, 17.8880,
4.1487

■ 32.4364, 34.1703,
38.7900

■ 18.5515, 16.5336,
2.9230

■ 35.0067, 36.9630,
46.8852

■ 17.8539, 15.3076,
2.1688

■ 37.8106, 39.9384,
55.9353

■ 17.6301, 14.9075,
1.9482

■ 40.8546, 43.1004,
65.9705

■ 44.1448, 46.4526,
77.0195

■ 47.6873, 49.9987,
89.1101

Harmonies

Analogous

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



26.7982, 24.7438, 17.4770



24.3500, 24.7438, 15.2970



21.8453, 24.7438, 15.7712

Triad

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



24.3500, 24.7438, 15.2970



19.1998, 24.7438, 32.1557



27.5170, 24.7438, 36.9661

Complementary

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



24.3500, 24.7438, 15.2970



18.1058, 18.9715, 34.1603

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.



25.2745, 24.7438, 42.4322



24.3500, 24.7438, 15.2970



20.5175, 24.7438, 39.3241

Square

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



24.3500, 24.7438, 15.2970



18.9918, 24.7438, 24.6552



22.7056, 24.7438, 43.3657



28.7122, 24.7438, 29.3656

Rectangle

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



24.3500, 24.7438, 15.2970



20.4714, 24.7438, 17.5681



22.7056, 24.7438, 43.3657



26.8534, 24.7438, 39.1680

Sweetspot

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



24.3506, 24.7449, 15.2975



52.8030, 55.2028, 51.8901



21.7319, 17.4157, 20.8734



11.5142, 12.0266, 11.1085



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.3506, 24.7449, 15.2975



41.9159, 41.9840, 21.8858



26.9498, 31.2813, 16.4222



6.9455, 7.2709, 7.0230



14.5563, 12.3483, 1.6162



0.3010, 0.3022, 0.0425

Inverse Universe

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



18.1058, 18.9715, 34.1603



28.8487, 29.9110, 61.3797



16.1428, 14.2524, 33.3529



6.4934, 6.8526, 8.3871



6.4364, 4.9644, 26.5262



0.1554, 0.1694, 0.4877

Previews

White Background



This preview shows how the XYZ color 24.3500, 24.7438, 15.2970 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 24.3500, 24.7438, 15.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

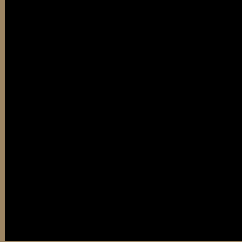
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3500, 24.7438, 15.2970

Background



This preview shows how black text looks on a background with the XYZ color 24.3500, 24.7438, 15.2970.



This preview shows how white text looks on a background with the XYZ color 24.3500, 24.7438,

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

24.3500, 24.7438, 15.2970

Protanopia

23.1370, 24.7315, 15.6108

Deuteranopia

25.2687, 24.8148, 15.2623



Tritanopia

26.8038, 24.7469, 27.4087

Trichromacy



Original Color

24.3500, 24.7438, 15.2970

Protanomaly

23.5419, 24.7321, 15.5896

Deuteranomaly

25.0006, 24.8770, 15.2884

Tritanomaly

25.9188, 24.7914, 22.4879

Monochromacy



Original Color

24.3500, 24.7438, 15.2970

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.5668, 24.5976, 22.2446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3500, 24.7438, 15.2970 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(156, 133, 99)` looks like.

```
.text, #text, p{  
    color:rgb(156, 133, 99)  
}
```

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(156, 133, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 133, 99) }
```

Border

The CSS property to change the border of an element to XYZ 24.3500, 24.7438, 15.2970 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(156, 133, 99) }
```


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

```
.border{ border-color:rgb(156, 133, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 133, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 133, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 133, 99);  
box-shadow:4px 4px 4px 4px rgb(156, 133,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3500, 24.7438, 15.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 133, 99) }
```

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

```
.background{ background-color: rgb(156,  
133, 99) }
```

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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