

# Converting Colors

XYZ(24.9678, 25.0235, 14.2491)

Have a look what the booklet for  
XYZ(24.9678, 25.0235, 14.2491)  
contains.

<b>XYZ(24.9503, 25.0749, 14.3514)</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(24.9503, 25.0749,  
14.3514)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A0855F
RGB	160, 133, 95
RGB Percent	63%, 52%, 37%
CMY	0.3725, 0.4784, 0.6274
CMYK	0.00, 0.17, 0.41, 0.37
HSL	35°, 25%, 50%
HSV	35°, 41%, 63%
XYZ	24.9503, 25.0749, 14.3514
YIQ	136.7410, 28.2900, -6.0940

# Conversions

## Conversions Part 2

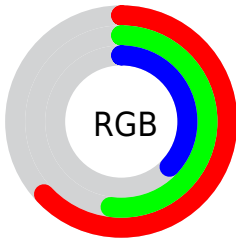
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 160, 95
Decimal	10519903
CIE <sub>Lab</sub>	57.15, 4.85, 24.33
CIE <sub>LCh</sub>	57, 24.814, 78.723
Yxy	25.0749, 0.3876, 0.3895
Android (android.graphics.Color)	4288709983 (0xFFA0855F)
YUV	136.7410, -20.5783, 20.3981
Hunter-Lab	50.0748, 1.3085, 18.0599

# Details

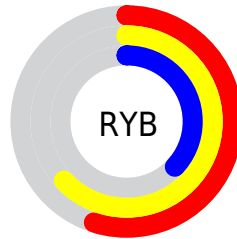
The XYZ color **24.9503, 25.0749, 14.3514** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.0238, 18.8893, 35.9537**, and the grayscale version is **23.7483, 24.9851, 27.2088**.

A 20% lighter version of the original color is **51.0661, 51.7921, 34.4995**, and **9.7672, 9.6798, 4.1499** is the 20% darker color. If you saturate the color by 10%, you get **23.4154, 23.0518, 10.6127**, and if you desaturate by 10%, it is **26.6935, 27.2752, 18.8971**.

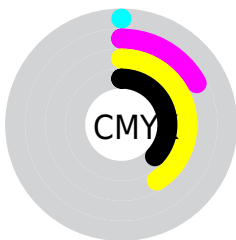
# Distribution



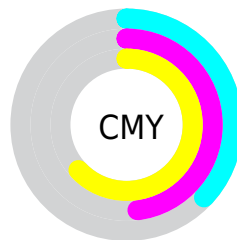
- Red (63%)
- Green (52%)
- Blue (37%)



- Red (55%)
- Yellow (63%)
- Blue (37%)



- Cyan (0%)
- Magenta (17%)
- Yellow (41%)
- Black (37%)




- Cyan (37%)
- Magenta (48%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9503, 25.0749, 14.3514 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 24.9503, 25.0749, 14.3514 by changing the saturation by 10% instead.





 24.9503, 25.0749,  
14.3514


 24.9503, 25.0749,  
14.3514


269.9425,  
278.2107, 230.9100


 16.1686, 16.1329,  
8.2239


 51.0201, 51.7787,  
34.4373


 9.7351, 9.6182,  
4.1488


 69.0388, 70.3093,  
49.2328

 5.2846, 5.1466,  
1.7073

 90.8672, 92.8048,  
67.7548

 2.4517, 2.3335,  
0.3657

 116.8707,  
119.6497, 90.4217

 0.8709, 0.7914,  
0.0000

147.4147,  
151.2283, 117.6522

 0.0000, 0.0000,  
0.0000

182.8644,

187.9251, 149.8647

223.5852,  
230.1245, 187.4778

■ 24.9503, 25.0749,  
14.3514

■ 24.9503, 25.0749,  
14.3514

■ 23.4154, 23.0518,  
10.6127

■ 26.6935, 27.2752,  
18.8971

■ 22.0765, 21.1967,  
7.6306

■ 28.6524, 29.6547,  
24.2929

■ 20.9231, 19.5044,  
5.3514

■ 30.8366, 32.2196,  
30.5809

■ 19.9423, 17.9681,  
3.7135

■ 33.2543, 34.9748,  
37.7996

■ 19.1194, 16.5800,  
2.6445

■ 35.9133, 37.9250,  
45.9855

■ 18.4598, 15.3988,  
1.9993

■ 38.8210, 41.0746,  
55.1731

■ 41.9845, 44.4280,  
65.3949

■ 45.4105, 47.9891,  
76.6824

■ 49.1056, 51.7621,  
89.0653

# Harmonies

## Analogous

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



27.7411, 25.0749, 16.8936



24.9503, 25.0749, 14.3514



22.0719, 25.0749, 14.7071

# Triad

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



24.9503, 25.0749, 14.3514



18.8911, 25.0749, 32.8089



28.3169, 25.0749, 39.3731

# Complementary

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



24.9503, 25.0749, 14.3514



18.0238, 18.8893, 35.9537

# 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.



25.6852, 25.0749, 45.5855



24.9503, 25.0749, 14.3514



20.3102, 25.0749, 41.2927

# Square

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



24.9503, 25.0749, 14.3514



18.7295, 25.0749, 24.2707



22.7494, 25.0749, 46.3522



29.7882, 25.0749, 30.5764



# Rectangle

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



24.9503, 25.0749, 14.3514



20.4833, 25.0749, 16.5607



22.7494, 25.0749, 46.3522



27.5291, 25.0749, 41.9038

# Sweetspot

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



24.9509, 25.0761, 14.3519



55.3249, 57.7301, 53.5789



22.1076, 17.0655, 20.5684



12.0266, 12.5365, 11.4394



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



24.9509, 25.0761, 14.3519



42.6935, 42.0954, 19.6861



28.0741, 32.8952, 15.6965



6.9390, 7.2580, 7.0209



14.4241, 12.0838, 1.5722



0.2990, 0.2983, 0.0418



# Inverse Universe

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



18.0238, 18.8893, 35.9537



28.3196, 29.2686, 64.5433



15.7394, 13.4559, 35.0253



6.4997, 6.8652, 8.3892



6.5226, 5.1368, 26.5550



0.1574, 0.1733, 0.4884



# Previews

## White Background



This preview shows how the XYZ color 24.9503, 25.0749, 14.3514 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

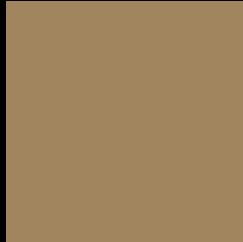
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.9503, 25.0749, 14.3514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

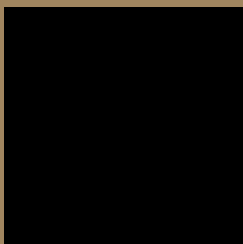
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 24.9503, 25.0749, 14.3514**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.9503, 25.0749, 14.3514.



This preview shows how white text looks on a background with the XYZ color 24.9503, 25.0749,



# 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

24.9503, 25.0749, 14.3514

### Protanopia

23.3161, 25.0503, 14.9156

### Deuteranopia

25.4917, 24.9513, 14.2990



## Tritanopia

27.5444, 25.1370, 27.0671

# Trichromacy



## Original Color

24.9503, 25.0749, 14.3514

## Protanomaly

23.8644, 25.1282, 14.6588

## Deuteranomaly

25.4211, 25.1153, 14.3344

## Tritanomaly

26.5997, 25.1569, 21.8662

# Monochromacy



## Original Color

24.9503, 25.0749, 14.3514

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

23.9941, 25.0332, 21.9796

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.9503, 25.0749, 14.3514 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(160, 133, 95)` looks like.

```
.text, #text, p{  
    color:rgb(160, 133, 95)  
}
```

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(160, 133, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 133, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 24.9503, 25.0749, 14.3514 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(160, 133, 95) }
```



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

```
.border{ border-color:rgb(160, 133, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 133, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 133, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 133, 95);  
box-shadow:4px 4px 4px 4px rgb(160, 133,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.9503, 25.0749, 14.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 133, 95) }
```

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

```
.background{ background-color: rgb(160,  
133, 95) }
```

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