

# Converting Colors

XYZ(23.9802, 22.9632, 13.8145)

Have a look what the booklet for  
XYZ(23.9802, 22.9632, 13.8145)  
contains.

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# Color

**XYZ(24.0519, 23.0525,  
13.7716)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A17D5E
RGB	161, 125, 94
RGB Percent	63%, 49%, 37%
CMY	0.3686, 0.5098, 0.6314
CMYK	0.00, 0.22, 0.42, 0.37
HSL	28°, 26%, 50%
HSV	28°, 42%, 63%
XYZ	24.0519, 23.0525, 13.7716
YIQ	132.2300, 31.4070, -2.0090

# Conversions

## Conversions Part 2

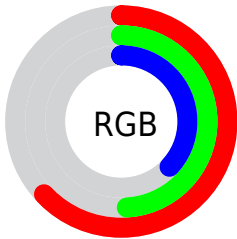
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 152, 94
Decimal	10583390
CIE <sub>Lab</sub>	55.13, 9.68, 22.24
CIE <sub>LCh</sub>	55, 24.253, 66.482
Yxy	23.0525, 0.3951, 0.3787
Android (android.graphics.Color)	4288773470 (0xFFA17D5E)
YUV	132.2300, -18.8474, 25.2313
Hunter-Lab	48.0130, 5.3960, 16.6029

# Details

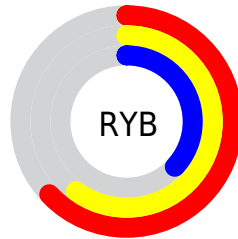
The XYZ color **24.0519, 23.0525, 13.7716** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.0313, 20.9172, 36.7523**, and the grayscale version is **22.0737, 23.2232, 25.2901**.

A 20% lighter version of the original color is **49.6465, 48.6368, 33.5593**, and **9.2819, 8.5623, 3.8528** is the 20% darker color. If you saturate the color by 10%, you get **22.3558, 20.6984, 10.0061**, and if you desaturate by 10%, it is **25.9952, 25.6598, 18.3635**.

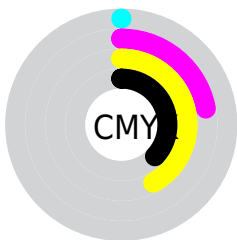
# Distribution



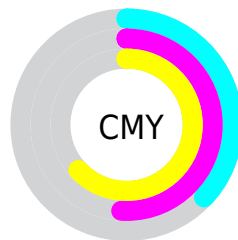
- Red (63%)
- Green (49%)
- Blue (37%)



- Red (63%)
- Yellow (60%)
- Blue (37%)



- Cyan (0%)
- Magenta (22%)
- Yellow (42%)
- Black (37%)




- Cyan (37%)
- Magenta (51%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0519, 23.0525, 13.7716 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 24.0519, 23.0525, 13.7716 by changing the saturation by 10% instead.





 24.0519, 23.0525,  
13.7716


 24.0519, 23.0525,  
13.7716


265.5184,  
267.9945, 227.1841


 15.4971, 14.6323,  
7.8250


 49.5689, 48.4795,  
33.3945

 9.2576, 8.5617,  
3.8970


 67.2619, 66.2551,  
47.9079

 4.9680, 4.4564,  
1.5690

 88.7315, 87.9179,  
66.1140

 2.2631, 1.9320,  
0.2686

 114.3433,  
113.8524, 88.4314

 0.7757, 0.5675,  
0.0000

144.4625,  
144.4429, 115.2785

 0.0000, 0.0000,  
0.0000

179.4545,

180.0738, 147.0740

219.6847,  
221.1296, 184.2363

■ 24.0519, 23.0525,  
13.7716

■ 24.0519, 23.0525,  
13.7716

■ 22.3558, 20.6984,  
10.0061

■ 25.9952, 25.6598,  
18.3635

■ 20.8934, 18.5857,  
7.0151

■ 28.1950, 28.5252,  
23.8267

■ 19.6522, 16.7061,  
4.7428


■ 30.6621, 31.6574,  
30.2043


■ 18.6176, 15.0497,  
3.1254


■ 33.4062, 35.0638,  
37.5364


■ 17.7727, 13.6052,  
2.0873


■ 36.4362, 38.7514,  
45.8604

 17.1803, 12.5419,  
1.5153

 39.7609, 42.7270,  
55.2118

 43.3886, 46.9970,  
65.6245

 47.3271, 51.5677,  
77.1305

 51.5842, 56.4452,  
89.7608

# Harmonies

## Analogous

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



26.3633, 23.0525, 17.2462



24.0519, 23.0525, 13.7716



21.3289, 23.0525, 13.0204

# Triad

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



24.0519, 23.0525, 13.7716



17.1395, 23.0525, 26.8192



25.1501, 23.0525, 39.0794

# Complementary

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



24.0519, 23.0525, 13.7716



19.0313, 20.9172, 36.7523

# 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.



22.5030, 23.0525, 42.9956



24.0519, 23.0525, 13.7716



17.9900, 23.0525, 35.0367

# Square

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



24.0519, 23.0525, 13.7716



17.4802, 23.0525, 19.6143



19.9005, 23.0525, 41.3815



27.0329, 23.0525, 31.5242



# Rectangle

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



24.0519, 23.0525, 13.7716



19.6728, 23.0525, 13.9909



19.9005, 23.0525, 41.3815



24.3122, 23.0525, 40.9289

# Sweetspot

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



24.0525, 23.0536, 13.7721



54.6295, 56.3393, 53.3471



22.7872, 17.2173, 23.5418



11.8605, 12.2043, 11.3840



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.



24.0525, 23.0536, 13.7721



40.2294, 37.3403, 18.3307



28.8854, 32.7195, 15.3831



7.3313, 7.6009, 7.4608



13.7615, 10.0970, 1.2236



0.3363, 0.3065, 0.0414



# Inverse Universe

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



19.0313, 20.9172, 36.7523



29.9899, 32.9763, 65.1710



15.3564, 13.5674, 35.5274



7.0008, 7.4606, 8.9741



7.8686, 7.5166, 27.9659

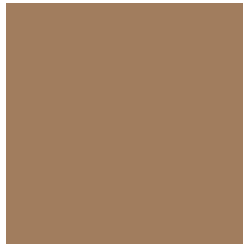


0.2120, 0.2514, 0.6032



# Previews

## White Background



This preview shows how the XYZ color 24.0519, 23.0525, 13.7716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

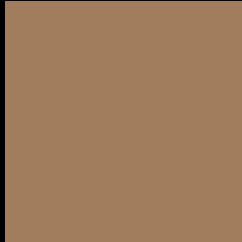
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.0519, 23.0525, 13.7716 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 24.0519, 23.0525, 13.7716**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.0519, 23.0525, 13.7716.



This preview shows how white text looks on a background with the XYZ color 24.0519, 23.0525,



# 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

24.0519, 23.0525, 13.7716

### Protanopia

21.5643, 23.1164, 14.6346

### Deuteranopia

23.5144, 23.1550, 13.8197



## Tritanopia

26.0556, 22.9372, 24.1731

# Trichromacy



## Original Color

24.0519, 23.0525, 13.7716

## Protanomaly

22.3560, 22.9346, 14.3149

## Deuteranomaly

23.5818, 22.9990, 13.7860

## Tritanomaly

25.2747, 22.9900, 19.9350

# Monochromacy



## Original Color

24.0519, 23.0525, 13.7716

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

22.4480, 22.8482, 20.3665

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.0519, 23.0525, 13.7716 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(161, 125, 94)` looks like.

```
.text, #text, p{  
    color:rgb(161, 125, 94)  
}
```

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(161, 125, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 125, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 24.0519, 23.0525, 13.7716 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(161, 125, 94) }
```



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

```
.border{ border-color:rgb(161, 125, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 125, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 125, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 125, 94);  
box-shadow:4px 4px 4px 4px rgb(161, 125,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.0519, 23.0525, 13.7716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 125, 94) }
```

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

```
.background{ background-color: rgb(161,  
125, 94) }
```

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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