

# Converting Colors

XYZ(23.3246, 21.3700, 15.2074)

Have a look what the booklet for  
XYZ(23.3246, 21.3700, 15.2074)  
contains.

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# Color

**XYZ(23.3246, 21.3700,  
15.2074)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A07665
RGB	160, 118, 101
RGB Percent	63%, 46%, 40%
CMY	0.3725, 0.5372, 0.6039
CMYK	0.00, 0.26, 0.37, 0.37
HSL	17°, 24%, 51%
HSV	17°, 37%, 63%
XYZ	23.3246, 21.3700, 15.2074
YIQ	128.6200, 30.4890, 3.6170

# Conversions

## Conversions Part 2

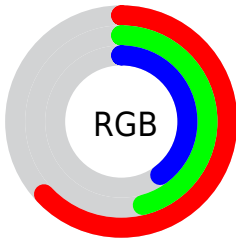
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	160, 125, 101
Decimal	10516069
CIE <sub>Lab</sub>	53.35, 14.11, 15.80
CIE <sub>LCh</sub>	53, 21.184, 48.252
Yxy	21.3700, 0.3894, 0.3567
Android (android.graphics.Color)	4288706149 (0xFFA07665)
YUV	128.6200, -13.6167, 27.5203
Hunter-Lab	46.2277, 9.1653, 12.8549

# Details

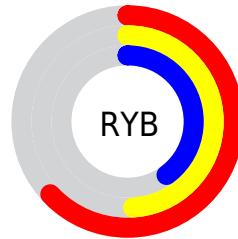
The XYZ color **23.3246, 21.3700, 15.2074** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.5341, 24.9489, 36.9384**, and the grayscale version is **20.7724, 21.8542, 23.7992**.

A 20% lighter version of the original color is **48.3611, 45.6154, 35.9615**, and **8.8574, 7.6484, 4.4995** is the 20% darker color. If you saturate the color by 10%, you get **21.3546, 18.5648, 11.0524**, and if you desaturate by 10%, it is **25.6103, 24.5622, 20.2211**.

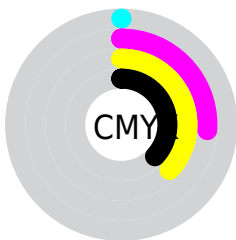
# Distribution



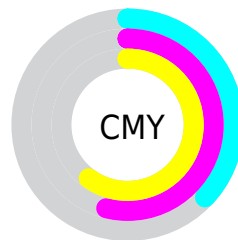
- Red (63%)
- Green (46%)
- Blue (40%)



- Red (63%)
- Yellow (49%)
- Blue (40%)



- Cyan (0%)
- Magenta (26%)
- Yellow (37%)
- Black (37%)




- Cyan (37%)
- Magenta (54%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3246, 21.3700, 15.2074 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 23.3246, 21.3700, 15.2074 by changing the saturation by 10% instead.





 23.3246, 21.3700,  
15.2074


 23.3246, 21.3700,  
15.2074

261.8922,  
259.2384, 236.3020


 14.9554, 13.3947,  
8.8168


 48.3885, 45.7025,  
35.9640


 8.8742, 7.7009,  
4.5267


 65.8139, 62.8285,  
51.1672

 4.7157, 3.9042,  
1.9185

 86.9888, 83.7736,  
70.1450

 2.1144, 1.6201,  
0.5045

 112.2784,  
108.9221, 93.3159

 0.6971, 0.3711,  
0.0000

142.0482,  
138.6584, 121.0986

 0.0000, 0.0000,  
0.0000

176.6636,

173.3670, 153.9114

216.4898,  
213.4322, 192.1731

■ 23.3246, 21.3700,  
15.2074

■ 23.3246, 21.3700,  
15.2074

■ 21.3546, 18.5648,  
11.0524

■ 25.6103, 24.5622,  
20.2211

■ 19.6840, 16.1285,  
7.7060

■ 28.2237, 28.1526,  
26.1371

■ 18.2976, 14.0460,  
5.1150

■ 31.1781, 32.1555,  
32.9976

■ 17.1776, 12.3001,  
3.2191

■ 34.4857, 36.5839,  
40.8416

■ 16.3045, 10.8716,  
1.9486

■ 38.1578, 41.4499,  
49.7061

■ 15.6512, 9.7377,  
1.1983

■ 42.2055, 46.7652,  
59.6261

■ 15.4786, 9.4362,  
1.0056

■ 46.6393, 52.5411,  
70.6348

■ 51.4691, 58.7885,  
82.7642

■ 56.7047, 65.5179,  
96.0447

# Harmonies

## Analogous

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



24.6946, 21.3700, 19.6059



23.3246, 21.3700, 15.2074



21.2035, 21.3700, 13.1392

# Triad

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



23.3246, 21.3700, 15.2074



16.3704, 21.3700, 20.8401



21.6942, 21.3700, 37.0998

# Complementary

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



23.3246, 21.3700, 15.2074



21.5341, 24.9489, 36.9384

# 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.



19.4450, 21.3700, 37.5977



23.3246, 21.3700, 15.2074



16.4804, 21.3700, 27.3605

# Square

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



23.3246, 21.3700, 15.2074



17.2572, 21.3700, 15.9670



17.5698, 21.3700, 33.7684



23.7066, 21.3700, 32.5124



# Rectangle

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



23.3246, 21.3700, 15.2074



19.6980, 21.3700, 13.0499



17.5698, 21.3700, 33.7684



20.9377, 21.3700, 37.7784

# Sweetspot

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



23.3252, 21.3710, 15.2078



54.2061, 55.1389, 54.2955



24.1305, 18.7729, 28.4512



11.7405, 11.8927, 11.5649



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.



23.3252, 21.3710, 15.2078



39.4537, 34.6853, 21.4747



27.3137, 29.3482, 16.5374



6.7810, 6.9421, 6.9682



12.0914, 7.4183, 0.7946



0.2498, 0.1998, 0.0254



# Inverse Universe

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



21.5341, 24.9489, 36.9384



35.7181, 42.0931, 66.6288



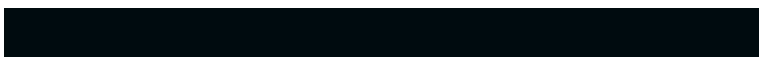
17.7051, 17.2908, 35.6621



6.6602, 7.1862, 8.4427



9.6595, 11.4105, 27.6006



0.2068, 0.2722, 0.5049



# Previews

## White Background



This preview shows how the XYZ color 23.3246, 21.3700, 15.2074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

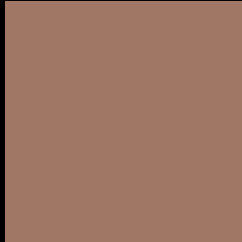
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 23.3246, 21.3700, 15.2074 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 23.3246, 21.3700, 15.2074**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.3246, 21.3700, 15.2074.



This preview shows how white text looks on a background with the XYZ color 23.3246, 21.3700,



# 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

23.3246, 21.3700, 15.2074

### Protanopia

20.1308, 21.3496, 16.4245

### Deuteranopia

21.7776, 21.4756, 15.0540



## Tritanopia

24.6691, 21.3981, 21.8988

# Trichromacy



## Original Color

23.3246, 21.3700, 15.2074

## Protanomaly

21.2079, 21.3441, 16.0987

## Deuteranomaly

22.2745, 21.3671, 15.0069

## Tritanomaly

24.0957, 21.3288, 19.3699

# Monochromacy



## Original Color

23.3246, 21.3700, 15.2074

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

21.4786, 21.5746, 20.4850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.3246, 21.3700, 15.2074 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, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(160, 118, 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(160, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 118, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 23.3246, 21.3700, 15.2074 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, 118, 101) }
```



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

```
.border{ border-color:rgb(160, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(160, 118,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.3246, 21.3700, 15.2074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 118, 101) }
```

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

```
.background{ background-color: rgb(160,  
118, 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](#).

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