

# Converting Colors

XYZ(17.7274, 15.8667, 3.3809)

Have a look what the booklet for  
XYZ(17.7274, 15.8667, 3.3809)  
contains.

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# Color

**XYZ(17.7404, 15.8835,  
3.3591)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98641E
RGB	152, 100, 30
RGB Percent	60%, 39%, 12%
CMY	0.4039, 0.6078, 0.8823
CMYK	0.00, 0.34, 0.80, 0.40
HSL	34°, 67%, 36%
HSV	34°, 80%, 60%
XYZ	17.7404, 15.8835, 3.3591
YIQ	107.5680, 53.4620, -10.7460

# Conversions

## Conversions Part 2

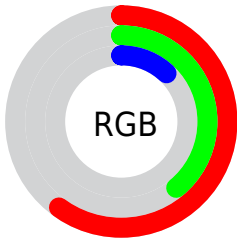
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 152, 30
Decimal	9987102
CIE <sub>Lab</sub>	46.82, 14.96, 45.59
CIE <sub>LCh</sub>	47, 47.979, 71.828
Yxy	15.8835, 0.4797, 0.4295
Android (android.graphics.Color)	4288177182 (0xFF98641E)
YUV	107.5680, -38.2410, 38.9669
Hunter-Lab	39.8541, 9.7116, 22.9006

# Details

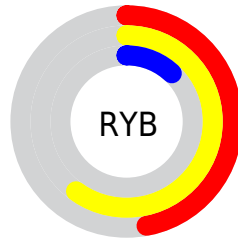
The XYZ color **17.7404, 15.8835, 3.3591** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.2200, 8.5772, 30.8751**, and the grayscale version is **14.2264, 14.9673, 16.2994**.

A 20% lighter version of the original color is **39.0929, 36.4140, 12.5576**, and **6.0970, 5.0330, 0.6501** is the 20% darker color. If you saturate the color by 10%, you get **16.9943, 14.6307, 2.3729**, and if you desaturate by 10%, it is **18.6303, 17.2742, 4.8554**.

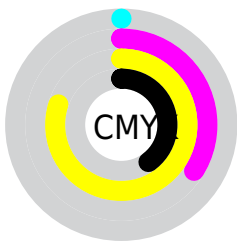
# Distribution



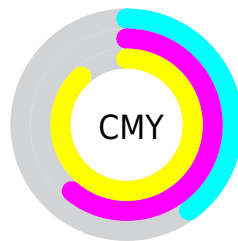
- Red (60%)
- Green (39%)
- Blue (12%)



- Red (47%)
- Yellow (60%)
- Blue (12%)



- Cyan (0%)
- Magenta (34%)
- Yellow (80%)
- Black (40%)



- Cyan (40%)
- Magenta (61%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7404, 15.8835, 3.3591 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 17.7404, 15.8835, 3.3591 by changing the saturation by 10% instead.



■ 17.7404, 15.8835,  
3.3591

■ 17.7404, 15.8835,  
3.3591

232.4777,  
228.6533, 140.8105

■ 10.8623, 9.4418,  
1.2808

■ 39.1280, 36.3958,  
12.5024

■ 6.0409, 5.0304,  
0.0460

■ 54.3683, 51.2352,  
20.4044

■ 2.9109, 2.2651,  
0.0000

■ 73.1267, 69.6426,  
31.0848

■ 1.1068, 0.7552,  
0.0000

■ 95.7685, 92.0024,  
44.9621


■ 0.0308, 0.0000,  
0.0000


■ 122.6592,  
118.6989, 62.4547


■ 0.0000, 0.0000,  
0.0000


■ 154.1641,


150.1167, 83.9813


 190.6484,  
186.6400, 109.9604


 17.7404, 15.8835,  
3.3591


 17.7404, 15.8835,  
3.3591


 16.9943, 14.6307,  
2.3729


 18.6303, 17.2742,  
4.8554

 16.3746, 13.5270,  
1.7479

 19.6758, 18.8074,  
6.9241

 20.8887, 20.4900,  
9.6192

 22.2789, 22.3278,  
12.9883

 23.8554, 24.3260,  
17.0743

■ 25.6267, 26.4894,  
21.9165

■ 27.6006, 28.8228,  
27.5513

■ 29.7844, 31.3306,  
34.0127

■ 32.1850, 34.0170,  
41.3329

# Harmonies

## Analogous

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



21.9008, 15.8835, 6.0494



17.7404, 15.8835, 3.3591



13.5109, 15.8835, 3.1431

# Triad

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



17.7404, 15.8835, 3.3591



8.5257, 15.8835, 22.4459



21.1058, 15.8835, 40.6948

# Complementary

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



17.7404, 15.8835, 3.3591



9.2200, 8.5772, 30.8751

# 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.



16.8021, 15.8835, 50.9516



17.7404, 15.8835, 3.3591



9.8718, 15.8835, 37.5951

# Square

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



17.7404, 15.8835, 3.3591



8.6837, 15.8835, 11.0713



12.7298, 15.8835, 49.6105



24.0771, 15.8835, 25.4980



# Rectangle

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



17.7404, 15.8835, 3.3591



11.2479, 15.8835, 4.1947



12.7298, 15.8835, 49.6105



19.7366, 15.8835, 45.0926

# Sweetspot

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



17.7408, 15.8843, 3.3594



43.8765, 45.1149, 34.9240



14.9693, 8.2265, 8.9558



9.7408, 9.9700, 7.3068



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178



# Same Dimension

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



17.7408, 15.8843, 3.3594



29.1461, 24.2939, 3.3786



22.9408, 28.4673, 5.5141



6.4882, 6.7815, 6.5728



13.7610, 11.4044, 1.4760



0.2417, 0.2425, 0.0341



# Inverse Universe

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



9.2200, 8.5772, 30.8751



13.6074, 11.0629, 53.8518



6.9361, 3.6103, 30.0368



6.0901, 6.4375, 7.8506



6.3561, 5.1089, 25.5588



0.1300, 0.1464, 0.3938



# Previews

## White Background



This preview shows how the XYZ color 17.7404, 15.8835, 3.3591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

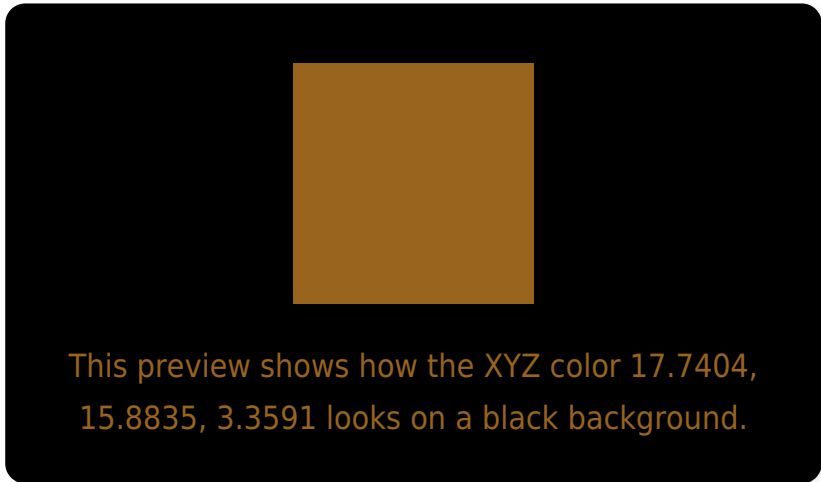
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black 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

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

**XYZ 17.7404, 15.8835, 3.3591**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.7404, 15.8835, 3.3591.



This preview shows how white text looks on a background with the XYZ color 17.7404, 15.8835,



# 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

17.7404, 15.8835, 3.3591

### Protanopia

14.5261, 16.0581, 3.7728

### Deuteranopia

16.1789, 15.9674, 3.3279



## Tritanopia

19.9249, 15.8167, 14.0594

# Trichromacy



## Original Color

17.7404, 15.8835, 3.3591

## Protanomaly

15.6149, 15.9803, 3.6280

## Deuteranomaly

16.6737, 15.9186, 3.3562

## Tritanomaly

18.9704, 15.8423, 8.7146

# Monochromacy



## Original Color

17.7404, 15.8835, 3.3591

## Achromatopsia

14.2537, 14.9960, 16.3306

## Achromatomaly

14.8117, 14.9674, 9.6978

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.7404, 15.8835, 3.3591 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(152, 100, 30)` looks like.

```
.text, #text, p{  
    color:rgb(152, 100, 30)  
}
```

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(152, 100, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 100, 30) }
```

## Border

The CSS property to change the border of an element to XYZ 17.7404, 15.8835, 3.3591 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(152, 100, 30) }
```



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

```
.border{ border-color:rgb(152, 100, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 100, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 100, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 100, 30);  
box-shadow:4px 4px 4px 4px rgb(152, 100,  
30) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.7404, 15.8835, 3.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 100, 30) }
```

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

```
.background{ background-color: rgb(152,  
100, 30) }
```

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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