

# Converting Colors

XYZ(15.7801, 13.0790, 3.6097)

Have a look what the booklet for  
XYZ(15.7801, 13.0790, 3.6097)  
contains.

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# Color

**XYZ(15.7266, 13.0051,  
3.6008)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	935627
RGB	147, 86, 39
RGB Percent	58%, 34%, 15%
CMY	0.4235, 0.6627, 0.8471
CMYK	0.00, 0.41, 0.73, 0.42
HSL	26°, 58%, 36%
HSV	26°, 73%, 58%
XYZ	15.7266, 13.0051, 3.6008
YIQ	98.8810, 51.4430, -1.6850

# Conversions

## Conversions Part 2

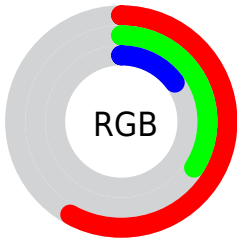
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">147, 122, 39</a>
Decimal	<a href="#">9655847</a>
CIELab	<a href="#">42.77, 21.17, 37.13</a>
CIELCh	<a href="#">43, 42.745, 60.309</a>
Yxy	<a href="#">13.0051, 0.4864, 0.4022</a>
Android (android.graphics.Color)	<a href="#">4287845927</a> ( <a href="#">0xFF935627</a> )
YUV	<a href="#">98.8810, -29.5213, 42.2004</a>
Hunter-Lab	<a href="#">36.0626, 14.7329, 19.3238</a>

# Details

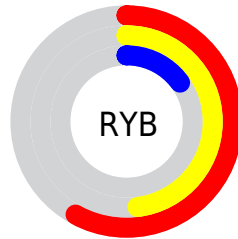
The XYZ color **15.7266, 13.0051, 3.6008** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.6600, 11.6516, 29.2907**, and the grayscale version is **11.8930, 12.5123, 13.6259**.

A 20% lighter version of the original color is **35.7013, 31.2756, 13.1720**, and **5.1724, 3.7929, 0.4595** is the 20% darker color. If you saturate the color by 10%, you get **14.9038, 11.6768, 2.3490**, and if you desaturate by 10%, it is **16.7214, 14.5266, 5.3760**.

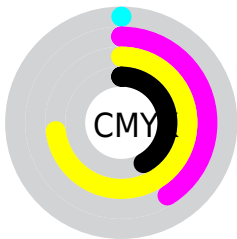
# Distribution



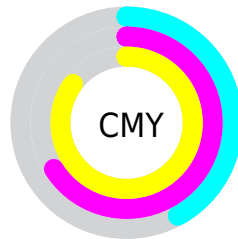
- Red (58%)
- Green (34%)
- Blue (15%)



- Red (58%)
- Yellow (48%)
- Blue (15%)



- Cyan (0%)
- Magenta (41%)
- Yellow (73%)
- Black (42%)




- Cyan (42%)
- Magenta (66%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7266, 13.0051, 3.6008 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 15.7266, 13.0051, 3.6008 by changing the saturation by 10% instead.





 15.7266, 13.0051,  
3.6008


 15.7266, 13.0051,  
3.6008


221.0252,  
210.9504, 143.6792


 9.4205, 7.4321,  
1.4090


 35.6842, 31.3129,  
13.0781


 5.0758, 3.7337,  
0.1487

 50.0664, 44.8165,  
21.2007


 2.3270, 1.5258,  
0.0000

 67.8714, 61.7324,  
32.1372

 0.8084, 0.3068,  
0.0000

 89.4645, 82.4450,  
46.3064

 0.0000, 0.0000,  
0.0000

 115.2111,  
107.3387, 64.1266

 145.4765,

136.7979, 86.0164

180.6261,  
171.2070, 112.3945

15.7266, 13.0051,  
3.6008

15.7266, 13.0051,  
3.6008

14.9038, 11.6768,  
2.3490

16.7214, 14.5266,  
5.3760

14.2379, 10.5297,  
1.5577

17.8996, 16.2481,  
7.7260

13.8646, 9.8672,  
1.1738

19.2725, 18.1786,  
10.6971

20.8500, 20.3256,  
14.3304

22.6413, 22.6963,  
18.6634

■ 24.6549, 25.2976,  
23.7309

■ 26.8990, 28.1359,  
29.5652

■ 29.3812, 31.2174,  
36.1969

■ 32.1087, 34.5482,  
43.6547

# Harmonies

## Analogous

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



18.5881, 13.0051, 6.9053



15.7266, 13.0051, 3.6008



12.3273, 13.0051, 2.7367

# Triad

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



15.7266, 13.0051, 3.6008



7.1002, 13.0051, 14.2571



15.7953, 13.0051, 35.9496

# Complementary

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



15.7266, 13.0051, 3.6008



10.6600, 11.6516, 29.2907

# 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.



12.3947, 13.0051, 40.7027



15.7266, 13.0051, 3.6008



7.7077, 13.0051, 25.2659

# Square

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



15.7266, 13.0051, 3.6008



7.6831, 13.0051, 7.0095



9.5134, 13.0051, 36.1296



18.6324, 13.0051, 25.0206



# Rectangle

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



15.7266, 13.0051, 3.6008



10.3139, 13.0051, 3.1261



9.5134, 13.0051, 36.1296



14.6624, 13.0051, 38.4924

# Sweetspot

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



15.7269, 13.0058, 3.6010



40.8957, 41.1005, 34.2848



15.0680, 8.5781, 12.9690



9.1474, 9.1362, 7.3621



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



15.7269, 13.0058, 3.6010



25.9039, 19.5724, 3.2205



21.7476, 25.0471, 5.6079



5.9960, 6.2058, 6.1223



12.0439, 8.6021, 1.0256



0.1759, 0.1622, 0.0220



# Inverse Universe

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



10.6600, 11.6516, 29.2907



16.2624, 16.9115, 51.8417



7.0880, 4.5077, 28.1000



5.7549, 6.1438, 7.3523



7.2738, 7.2424, 24.9456



0.1184, 0.1474, 0.3151



# Previews

## White Background



This preview shows how the XYZ color 15.7266, 13.0051, 3.6008 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



This preview shows how the XYZ color 15.7266, 13.0051, 3.6008 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

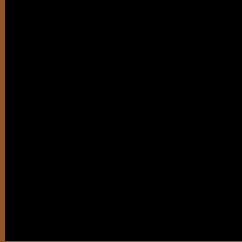
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 15.7266, 13.0051, 3.6008**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.7266, 13.0051, 3.6008.



This preview shows how white text looks on a background with the XYZ color 15.7266, 13.0051,



# 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

15.7266, 13.0051, 3.6008

### Protanopia

12.0160, 13.1953, 4.2965

### Deuteranopia

13.2537, 13.0051, 3.4808



## Tritanopia

17.2404, 13.0570, 10.6284

# Trichromacy



## Original Color

15.7266, 13.0051, 3.6008

## Protanomaly

13.0582, 12.8929, 3.9908

## Deuteranomaly

13.9926, 12.8562, 3.4943

## Tritanomaly

16.5932, 13.0183, 7.4326

# Monochromacy



## Original Color

15.7266, 13.0051, 3.6008

## Achromatopsia

11.8596, 12.4772, 13.5877

## Achromatomaly

12.5447, 12.2542, 8.7253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.7266, 13.0051, 3.6008 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(147, 86, 39)` looks like.

```
.text, #text, p{  
    color:rgb(147, 86, 39)  
}
```

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(147, 86, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 86, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 15.7266, 13.0051, 3.6008 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(147, 86, 39) }
```



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

```
.border{ border-color:rgb(147, 86, 39) }
```

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

Here you see how a box with a 4 pixel rgb(147, 86, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 86, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 86, 39);  
box-shadow:4px 4px 4px 4px rgb(147, 86,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.7266, 13.0051, 3.6008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 86, 39) }
```

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

```
.background{ background-color: rgb(147, 86,  
39) }
```

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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