

Converting Colors

XYZ(15.4030, 7.6791, 12.5469)

Have a look what the booklet for
XYZ(15.4030, 7.6791, 12.5469)
contains.

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Color

**XYZ(15.3890, 7.6732,
12.4744)**

Conversions

Conversions Part 1

Format	Color
Hex	990063
RGB	153, 0, 99
RGB Percent	60%, 0%, 39%
CMY	0.4000, 0.9999, 0.6118
CMYK	0.00, 1.00, 0.35, 0.40
HSL	321°, 100%, 30%
HSV	321°, 100%, 60%
XYZ	15.3890, 7.6732, 12.4744
YIQ	57.0330, 59.4090, 63.2250

Conversions

Conversions Part 2

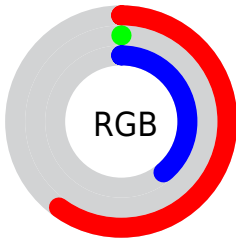
Format	Color
RYB	153, 0, 99
Decimal	10027107
CIELab	33.29, 60.05, -12.15
CIELCh	33, 61.265, 348.562
Yxy	7.6732, 0.4330, 0.2159
Android (android.graphics.Color)	4288217187 (0xFF990063)
YUV	57.0330, 20.6897, 84.1631
Hunter-Lab	27.7005, 50.6895, -7.3097

Details

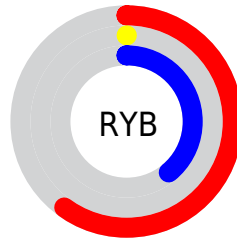
The XYZ color **15.3890, 7.6732, 12.4744** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.0579, 23.0491, 7.3061**, and the grayscale version is **3.8632, 4.0643, 4.4261**.

A 20% lighter version of the original color is **35.2408, 21.3679, 31.1212**, and **5.4437, 2.7347, 3.4898** is the 20% darker color. If you saturate the color by 10%, you get **15.3886, 7.6730, 12.4725**, and if you desaturate by 10%, it is **15.8314, 8.1308, 13.9388**.

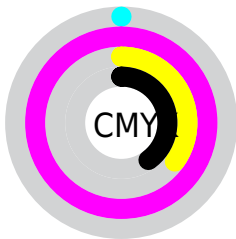
Distribution



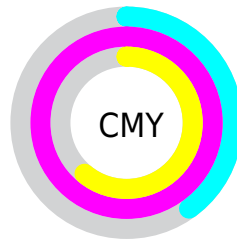
- Red (60%)
- Green (0%)
- Blue (39%)



- Red (60%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (40%)





- Cyan (40%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3890, 7.6732, 12.4744 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 15.3890, 7.6732, 12.4744 by changing the saturation by 10% instead.


 15.3890, 7.6732,
12.4744


 15.3890, 7.6732,
12.4744


219.0508,
173.1458, 218.6093

 9.1809, 3.8866,
6.9412


 35.1003, 21.3152,
31.0334


 4.9174, 1.6103,
3.3475

 49.3342, 31.9394,
44.8964


 2.2332, 0.3645,
1.2747

 66.9740, 45.6116,
62.3729

 0.7601, 0.0000,
0.0409


 88.3853, 62.7161,
83.8817

 0.0000, 0.0000,
0.0000

 113.9332, 83.6374,
109.8411

 143.9832,

108.7599, 140.6699


 178.9006,
138.4679, 176.7864


 15.3890, 7.6732,
12.4744


 15.3890, 7.6732,
12.4744

 15.3886, 7.6730,
12.4725

 15.8314, 8.1308,
13.9388

 16.4207, 8.8541,
15.5389

 17.2170, 9.9627,
17.2964

 18.2444, 11.5043,
19.2208

 19.5236, 13.5199,
21.3206

■ 21.0728, 16.0455,
23.6033

■ 22.9087, 19.1137,
26.0757

■ 25.0463, 22.7544,
28.7444

■ 27.4997, 26.9953,
31.6154

Harmonies

Analogous

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



13.1188, 7.6732, 26.9244



15.3890, 7.6732, 12.4744



15.0576, 7.6732, 3.8220

Triad

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



15.3890, 7.6732, 12.4744



5.4635, 7.6732, 0.0000



3.8640, 7.6732, 30.5388

Complementary

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



15.3890, 7.6732, 12.4744



12.0579, 23.0491, 7.3061

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.



2.7983, 7.6732, 15.5274



15.3890, 7.6732, 12.4744



3.5122, 7.6732, 1.1947

Square

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



15.3890, 7.6732, 12.4744



8.6171, 7.6732, 0.0000



2.6925, 7.6732, 5.2596



6.1122, 7.6732, 41.5237

Rectangle

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



15.3890, 7.6732, 12.4744



13.4221, 7.6732, 1.3949



2.6925, 7.6732, 5.2596



3.3887, 7.6732, 25.4372

Sweetspot

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



15.3892, 7.6736, 12.4745



40.8122, 33.8682, 46.4200



7.2480, 3.0727, 30.3480



8.7211, 6.9903, 9.8663



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.



15.3892, 7.6736, 12.4745



27.4686, 13.7052, 21.8588



13.2914, 6.8345, 1.4276



6.3686, 6.2866, 7.3210



12.7347, 6.3481, 10.3937



0.2075, 0.1018, 0.2456

Inverse Universe

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



15.3892, 7.6736, 12.4745



27.4686, 13.7052, 21.8588



15.4243, 24.3957, 25.0337



6.3686, 6.2866, 7.3210



12.7347, 6.3481, 10.3937



0.2075, 0.1018, 0.2456

Previews

White Background



This preview shows how the XYZ color 15.3890, 7.6732, 12.4744 looks on a white background.

Color Contrast Check

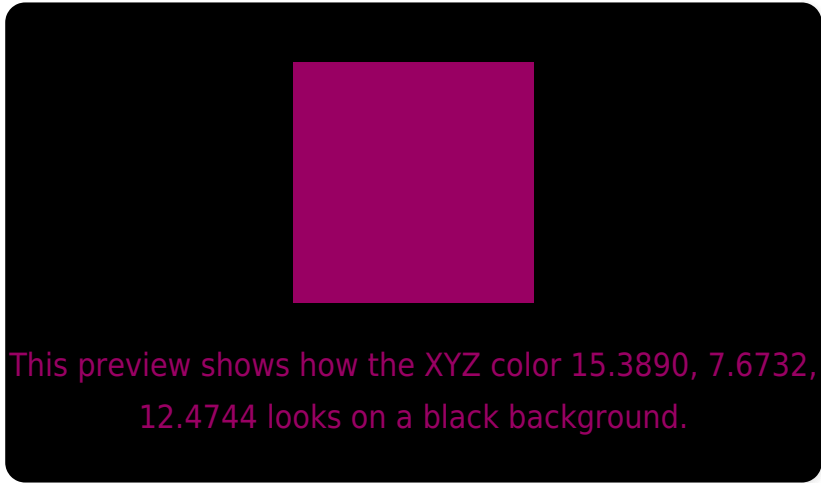
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 15.3890, 7.6732, 12.4744

Background



This preview shows how black text looks on a background with the XYZ color 15.3890, 7.6732, 12.4744.



This preview shows how white text looks on a background with the XYZ color 15.3890, 7.6732, 12.4744.

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

15.3890, 7.6732, 12.4744

Protanopia

9.1998, 8.3292, 26.7140

Deuteranopia

8.3839, 8.2495, 11.2756



Tritanopia

13.5202, 8.0007, 2.9295

Trichromacy



Original Color

15.3890, 7.6732, 12.4744

Protanomaly

9.1229, 5.9612, 20.4085

Deuteranomaly

9.5128, 6.3586, 11.5524

Tritanomaly

13.7948, 7.5271, 5.2832

Monochromacy



Original Color

15.3890, 7.6732, 12.4744

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.2142, 4.0049, 6.5764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3890, 7.6732, 12.4744 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(153, 0, 99)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 99)  
}
```

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(153, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 99) }
```

Border

The CSS property to change the border of an element to XYZ 15.3890, 7.6732, 12.4744 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(153, 0, 99) }
```


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

```
.border{ border-color:rgb(153, 0, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3890, 7.6732, 12.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 99) }
```

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

```
.background{ background-color: rgb(153, 0,  
99) }
```

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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