

Converting Colors

XYZ(15.3210, 7.6460, 12.1162)

Have a look what the booklet for
XYZ(15.3210, 7.6460, 12.1162)
contains.

XYZ(15.3415, 7.6541, 12.2241)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.3415, 7.6541,
12.2241)**

Conversions

Conversions Part 1

Format	Color
Hex	990062
RGB	153, 0, 98
RGB Percent	60%, 0%, 38%
CMY	0.4000, 0.9999, 0.6157
CMYK	0.00, 1.00, 0.36, 0.40
HSL	322°, 100%, 30%
HSV	322°, 100%, 60%
XYZ	15.3415, 7.6541, 12.2241
YIQ	56.9190, 59.7300, 62.9140

Conversions

Conversions Part 2

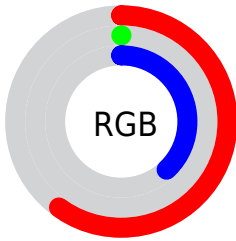
Format	Color
RYB	153, 0, 98
Decimal	10027106
CIELab	33.25, 59.94, -11.57
CIELCh	33, 61.050, 349.080
Yxy	7.6541, 0.4356, 0.2173
Android (android.graphics.Color)	4288217186 (0xFF990062)
YUV	56.9190, 20.2529, 84.2630
Hunter-Lab	27.6660, 50.5671, -6.8308

Details

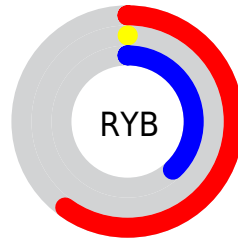
The XYZ color **15.3415, 7.6541, 12.2241** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.0815, 23.0587, 7.4304**, and the grayscale version is **3.8483, 4.0487, 4.4091**.

A 20% lighter version of the original color is **35.1606, 21.3359, 30.6988**, and **5.4437, 2.7347, 3.4898** is the 20% darker color. If you saturate the color by 10%, you get **15.3413, 7.6541, 12.2227**, and if you desaturate by 10%, it is **15.7857, 8.1123, 13.6980**.

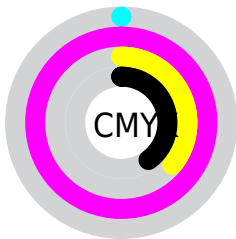
Distribution



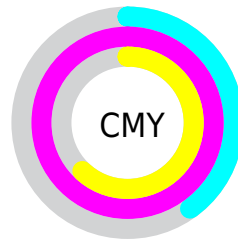
- Red (60%)
- Green (0%)
- Blue (38%)



- Red (60%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (40%)





- Cyan (40%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3415, 7.6541, 12.2241 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 15.3415, 7.6541, 12.2241 by changing the saturation by 10% instead.


 15.3415, 7.6541,
12.2241


 15.3415, 7.6541,
12.2241


218.7716,
172.9932, 216.9136


 9.1473, 3.8744,
6.7721


 35.0179, 21.2775,
30.5731


 4.8953, 1.6036,
3.2437

 49.2308, 31.8900,
44.3071


 2.2201, 0.3600,
1.2204

 66.8474, 45.5489,
61.6390

 0.7533, 0.0000,
0.0000


 88.2329, 62.6386,
82.9871


 0.0000, 0.0000,
0.0000


 113.7527, 83.5435,
108.7701


 143.7722,

108.6480, 139.4065

 178.6567,
138.3364, 175.3148

 15.3415, 7.6541,
12.2241


 15.3415, 7.6541,
12.2241


 15.3413, 7.6541,
12.2227

 15.7857, 8.1123,
13.6980

 16.3773, 8.8365,
15.3108

 17.1766, 9.9461,
17.0843

 18.2076, 11.4891,
19.0281

 19.4910, 13.5062,
21.1507

■ 21.0452, 16.0336,
23.4597

■ 22.8866, 19.1039,
25.9621

■ 25.0305, 22.7470,
28.6645

■ 27.4910, 26.9905,
31.5729

Harmonies

Analogous

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



13.1226, 7.6541, 26.5223



15.3415, 7.6541, 12.2241



14.9645, 7.6541, 3.7310

Triad

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



15.3415, 7.6541, 12.2241



5.4102, 7.6541, 0.0000



3.8897, 7.6541, 30.6305

Complementary

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



15.3415, 7.6541, 12.2241



12.0815, 23.0587, 7.4304

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.



2.8095, 7.6541, 15.6986



15.3415, 7.6541, 12.2241



3.4884, 7.6541, 1.2344

Square

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



15.3415, 7.6541, 12.2241



8.5300, 7.6541, 0.0000



2.6887, 7.6541, 5.3715



6.1496, 7.6541, 41.3738

Rectangle

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



15.3415, 7.6541, 12.2241



13.3156, 7.6541, 1.3624



2.6887, 7.6541, 5.3715



3.4096, 7.6541, 25.5766

Sweetspot

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



15.3417, 7.6545, 12.2242



40.7732, 33.8526, 46.2146



7.2478, 3.0724, 30.3482



8.7116, 6.9865, 9.8162



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.



15.3417, 7.6545, 12.2242



27.3831, 13.6710, 21.4086



13.2914, 6.8344, 1.4273



6.3669, 6.2859, 7.3122



12.6956, 6.3325, 10.1877



0.2071, 0.1016, 0.2432

Inverse Universe

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



15.3417, 7.6545, 12.2242



27.3831, 13.6710, 21.4086



15.4243, 24.3958, 25.0336



6.3669, 6.2859, 7.3122



12.6956, 6.3325, 10.1877



0.2071, 0.1016, 0.2432

Previews

White Background



This preview shows how the XYZ color 15.3415, 7.6541, 12.2241 looks on a white background.

Color Contrast Check

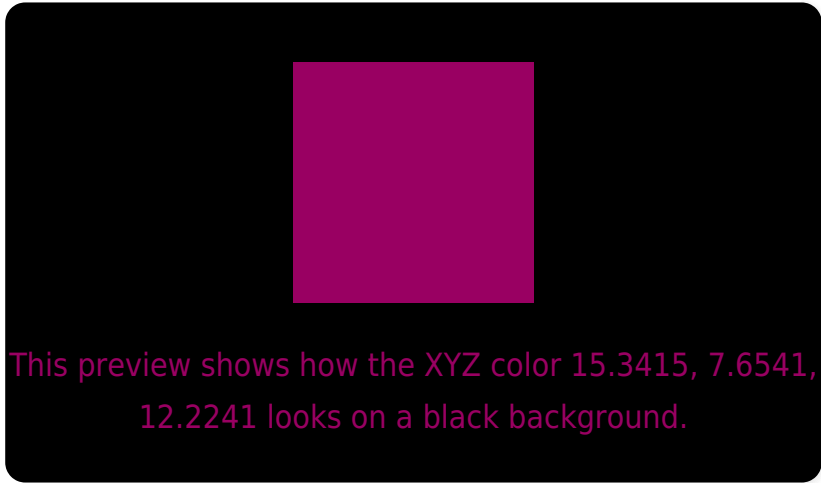
Large Text (above 18pt) WCAG AA ✓ Pass

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

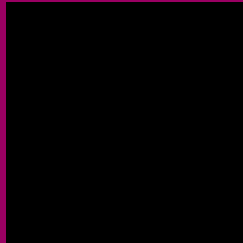
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3415, 7.6541, 12.2241

Background



This preview shows how black text looks on a background with the XYZ color 15.3415, 7.6541, 12.2241.



This preview shows how white text looks on a background with the XYZ color 15.3415, 7.6541, 12.2241.

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

15.3415, 7.6541, 12.2241

Protanopia

9.1052, 8.2976, 25.9327

Deuteranopia

8.4306, 8.2786, 11.0511



Tritanopia

13.5029, 7.9938, 2.8388

Trichromacy



Original Color

15.3415, 7.6541, 12.2241

Protanomaly

9.1567, 5.9860, 20.0748

Deuteranomaly

9.5914, 6.4044, 11.3203

Tritanomaly

13.7676, 7.5162, 5.1400

Monochromacy



Original Color

15.3415, 7.6541, 12.2241

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 15.3415, 7.6541, 12.2241 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, 98)` looks like.

```
.text, #text, p{  
  color:rgb(153, 0, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 98) }
```

Border

The CSS property to change the border of an element to XYZ 15.3415, 7.6541, 12.2241 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, 98) }
```


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

```
.border{ border-color:rgb(153, 0, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3415, 7.6541, 12.2241 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, 98) }
```

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

```
.background{ background-color: rgb(153, 0,  
98) }
```

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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