

Converting Colors

XYZ(15.7016, 7.7982, 14.1206)

Have a look what the booklet for
XYZ(15.7016, 7.7982, 14.1206)
contains.

XYZ(15.6867, 7.7922, 14.0419)	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(15.6867, 7.7922,
14.0419)**

Conversions

Conversions Part 1

Format	Color
Hex	990069
RGB	153, 0, 105
RGB Percent	60%, 0%, 41%
CMY	0.4000, 0.9999, 0.5882
CMYK	0.00, 1.00, 0.31, 0.40
HSL	319°, 100%, 30%
HSV	319°, 100%, 60%
XYZ	15.6867, 7.7922, 14.0419
YIQ	57.7170, 57.4830, 65.0910

Conversions

Conversions Part 2

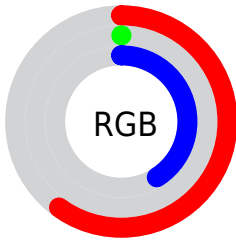
Format	Color
R_{YB}	153, 0, 105
Decimal	10027113
CIE _{Lab}	33.55, 60.70, -15.62
CIE _{LCh}	34, 62.679, 345.568
Yxy	7.7922, 0.4181, 0.2077
Android (android.graphics.Color)	4288217193 (0xFF990069)
YUV	57.7170, 23.3105, 83.5632
Hunter-Lab	27.9145, 51.4586, -10.2846

Details

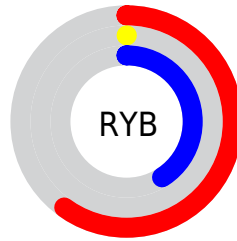
The XYZ color **15.6867, 7.7922, 14.0419** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.9254, 22.9962, 6.6083**, and the grayscale version is **3.9497, 4.1554, 4.5252**.

A 20% lighter version of the original color is **35.4492, 21.4181, 33.7182**, and **5.6935, 2.8469, 4.2524** is the 20% darker color. If you saturate the color by 10%, you get **15.6865, 7.7922, 14.0406**, and if you desaturate by 10%, it is **16.1159, 8.2445, 15.4370**.

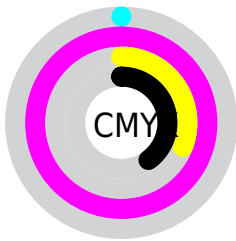
Distribution



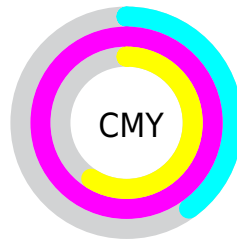
- Red (60%)
- Green (0%)
- Blue (41%)



- Red (60%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6867, 7.7922, 14.0419 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 15.6867, 7.7922, 14.0419 by changing the saturation by 10% instead.


 15.6867, 7.7922,
14.0419


 15.6867, 7.7922,
14.0419


220.7928,
174.0929, 228.9288


 9.3922, 3.9623,
8.0107


 35.6153, 21.5501,
33.8816


 5.0570, 1.6525,
4.0139

 49.9801, 32.2468,
48.5271


 2.3158, 0.3926,
1.6330

 67.7656, 46.0012,
66.8812

 0.8028, 0.0000,
0.3142


 89.3373, 63.1977,
89.3624

 0.0000, 0.0000,
0.0000

 115.0606, 84.2208,
116.3892

 145.3006,


109.4547, 148.3802

 180.4229,
139.2840, 185.7539


 15.6867, 7.7922,
14.0419


 15.6867, 7.7922,
14.0419


 15.6865, 7.7922,
14.0406

 16.1159, 8.2445,
15.4370

 16.6886, 8.9611,
16.9497

 17.4647, 10.0614,
18.6011

 18.4682, 11.5934,
20.4003

 19.7198, 13.5978,
22.3552

■ 21.2376, 16.1107,
24.4728

■ 23.0381, 19.1646,
26.7596

■ 25.1364, 22.7895,
29.2215

■ 27.5464, 27.0128,
31.8643

Harmonies

Analogous

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



13.1070, 7.7922, 29.4242



15.6867, 7.7922, 14.0419



15.6315, 7.7922, 4.3942

Triad

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



15.6867, 7.7922, 14.0419



5.7903, 7.7922, 0.0000



3.7148, 7.7922, 30.0286

Complementary

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



15.6867, 7.7922, 14.0419



11.9254, 22.9962, 6.6083

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.



2.7331, 7.7922, 14.5487



15.6867, 7.7922, 14.0419



3.6574, 7.7922, 0.9760

Square

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



15.6867, 7.7922, 14.0419



9.1532, 7.7922, 0.0000



2.7159, 7.7922, 4.6292



5.8970, 7.7922, 42.4674

Rectangle

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



15.6867, 7.7922, 14.0419



14.0778, 7.7922, 1.5979



2.7159, 7.7922, 4.6292



3.2674, 7.7922, 24.6438

Sweetspot

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



15.6869, 7.7926, 14.0420



41.0490, 33.9629, 47.6671



6.8727, 2.8791, 30.3306



8.7790, 7.0135, 10.1707



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.



15.6869, 7.7926, 14.0420



28.0057, 13.9201, 24.6876



13.3794, 6.8696, 1.8906



6.3787, 6.2906, 7.3742



12.9800, 6.4462, 11.6858



0.2103, 0.1029, 0.2600

Inverse Universe

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



15.6869, 7.7926, 14.0420



28.0057, 13.9201, 24.6876



14.9294, 24.1979, 22.4275



6.3787, 6.2906, 7.3742



12.9800, 6.4462, 11.6858



0.2103, 0.1029, 0.2600

Previews

White Background



This preview shows how the XYZ color 15.6867, 7.7922, 14.0419 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



This preview shows how the XYZ color 15.6867, 7.7922, 14.0419 looks on a 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 15.6867, 7.7922, 14.0419

Background



This preview shows how black text looks on a background with the XYZ color 15.6867, 7.7922, 14.0419.



This preview shows how white text looks on a background with the XYZ color 15.6867, 7.7922,

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

15.6867, 7.7922, 14.0419

Protanopia

9.5460, 8.5437, 30.0001

Deuteranopia

8.5529, 8.4130, 12.7284



Tritanopia

13.6234, 8.1499, 3.1405

Trichromacy



Original Color

15.6867, 7.7922, 14.0419

Protanomaly

9.3247, 6.0673, 23.2339

Deuteranomaly

9.7171, 6.4954, 13.0535

Tritanomaly

13.9304, 7.6162, 5.8901

Monochromacy



Original Color

15.6867, 7.7922, 14.0419

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.4458, 4.1583, 7.1195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6867, 7.7922, 14.0419 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 105) }
```

Border

The CSS property to change the border of an element to XYZ 15.6867, 7.7922, 14.0419 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, 105) }
```


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

```
.border{ border-color:rgb(153, 0, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 105);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6867, 7.7922, 14.0419 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, 105) }
```

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

```
.background{ background-color: rgb(153, 0,  
105) }
```

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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