

Converting Colors

XYZ(15.5338, 7.7873, 10.6977)

Have a look what the booklet for
XYZ(15.5338, 7.7873, 10.6977)
contains.

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Color

**XYZ(15.6421, 7.8406,
10.8142)**

Conversions

Conversions Part 1

Format	Color
Hex	9C005C
RGB	156, 0, 92
RGB Percent	61%, 0%, 36%
CMY	0.3882, 0.9999, 0.6392
CMYK	0.00, 1.00, 0.41, 0.39
HSL	325°, 100%, 31%
HSV	325°, 100%, 61%
XYZ	15.6421, 7.8406, 10.8142
YIQ	57.1320, 63.4440, 61.6840

Conversions

Conversions Part 2

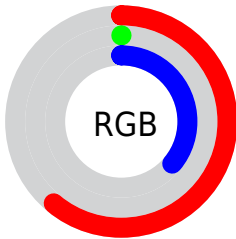
Format	Color
R_{YB}	156, 0, 92
Decimal	10223708
CIE _{Lab}	33.65, 60.00, -7.02
CIE _{LCh}	34, 60.409, 353.327
Yxy	7.8406, 0.4561, 0.2286
Android (android.graphics.Color)	4288413788 (0xFF9C005C)
YUV	57.1320, 17.1899, 86.7072
Hunter-Lab	28.0011, 50.7127, -3.2974

Details

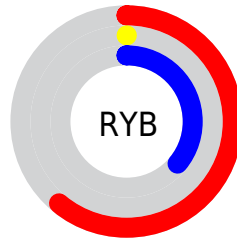
The XYZ color **15.6421, 7.8406, 10.8142** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.8147, 24.1475, 8.8387**, and the grayscale version is **3.8799, 4.0820, 4.4453**.

A 20% lighter version of the original color is **35.5607, 21.7078, 27.9070**, and **5.6387, 2.8499, 2.8377** is the 20% darker color. If you saturate the color by 10%, you get **15.6418, 7.8405, 10.8125**, and if you desaturate by 10%, it is **16.1136, 8.3168, 12.4108**.

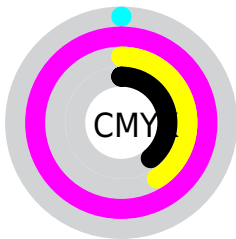
Distribution



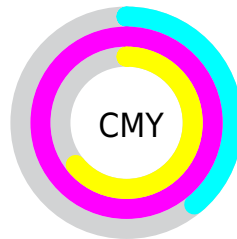
- Red (61%)
- Green (0%)
- Blue (36%)



- Red (61%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6421, 7.8406, 10.8142 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 15.6421, 7.8406, 10.8142 by changing the saturation by 10% instead.


 15.6421, 7.8406,
10.8142


 15.6421, 7.8406,
10.8142


220.5326,
174.4764, 207.0798


 9.3605, 3.9931,
5.8294


 35.5382, 21.6454,
27.9475


 5.0360, 1.6697,
2.6745

 49.8835, 32.3714,
40.9330


 2.3034, 0.4039,
0.9306

 67.6473, 46.1592,
57.4226

 0.7964, 0.0000,
0.0000


 89.1951, 63.3929,
77.8348

 0.0000, 0.0000,
0.0000

 114.8921, 84.4571,
102.5881


 145.1038,


109.7362, 132.1010

 180.1955,
139.6145, 166.7920


 15.6421, 7.8406,
10.8142


 15.6421, 7.8406,
10.8142


 15.6418, 7.8405,
10.8125

 16.1136, 8.3168,
12.4108

 16.7457, 9.0752,
14.1804

 17.6000, 10.2386,
16.1461

 18.7023, 11.8575,
18.3192

 20.0744, 13.9747,
20.7095

■ 21.7357, 16.6283,
23.3258

■ 23.7037, 19.8525,
26.1764

■ 25.9946, 23.6787,
29.2690

■ 28.6231, 28.1360,
32.6107

Harmonies

Analogous

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



13.7465, 7.8406, 24.5206



15.6421, 7.8406, 10.8142



14.8792, 7.8406, 3.1938

Triad

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



15.6421, 7.8406, 10.8142



5.2222, 7.8406, 0.1778



4.2828, 7.8406, 32.7869

Complementary

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



15.6421, 7.8406, 10.8142



12.8147, 24.1475, 8.8387

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.



3.0295, 7.8406, 17.8804



15.6421, 7.8406, 10.8142



3.4500, 7.8406, 1.6530

Square

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



15.6421, 7.8406, 10.8142



8.2099, 7.8406, 0.0000



2.7772, 7.8406, 6.6044



6.7427, 7.8406, 42.0113

Rectangle

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



15.6421, 7.8406, 10.8142



13.0504, 7.8406, 1.1713



2.7772, 7.8406, 6.6044



3.7396, 7.8406, 27.9135

Sweetspot

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



15.6423, 7.8411, 10.8143



42.8198, 35.6725, 47.2179



8.0135, 3.4382, 31.6939



9.1035, 7.3246, 9.9366



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.6423, 7.8411, 10.8143



28.3101, 14.2007, 19.1132



13.8012, 7.1046, 1.1192



6.7889, 6.7085, 7.7393



12.9015, 6.4652, 8.9983



0.2514, 0.1239, 0.2697

Inverse Universe

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



15.6423, 7.8411, 10.8143



28.3101, 14.2007, 19.1132



16.6521, 25.6825, 29.0462



6.7889, 6.7085, 7.7393



12.9015, 6.4652, 8.9983



0.2514, 0.1239, 0.2697

Previews

White Background



This preview shows how the XYZ color 15.6421, 7.8406, 10.8142 looks on a white background.

Color Contrast Check

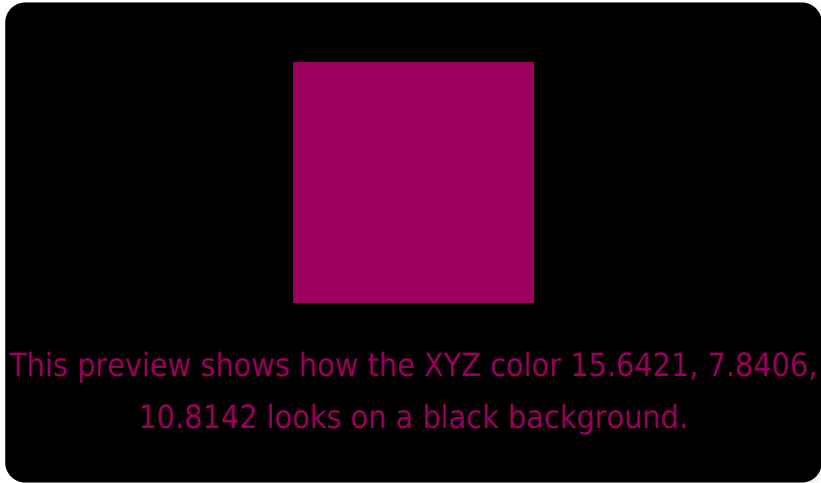
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6421, 7.8406, 10.8142

Background



This preview shows how black text looks on a background with the XYZ color 15.6421, 7.8406, 10.8142.



This preview shows how white text looks on a background with the XYZ color 15.6421, 7.8406, 10.8142.

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

15.6421, 7.8406, 10.8142

Protanopia

9.0939, 8.5749, 23.0056

Deuteranopia

8.6282, 8.5170, 9.7835



Tritanopia

14.1017, 8.1676, 2.5835

Trichromacy



Original Color

15.6421, 7.8406, 10.8142

Protanomaly

9.2627, 6.2271, 17.5434

Deuteranomaly

9.7553, 6.5829, 9.9890

Tritanomaly

14.3713, 7.7782, 4.6148

Monochromacy



Original Color

15.6421, 7.8406, 10.8142

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.2506, 4.0311, 6.2430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6421, 7.8406, 10.8142 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(156, 0, 92)` looks like.

```
.text, #text, p{  
  color:rgb(156, 0, 92)  
}
```

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(156, 0, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 92) }
```

Border

The CSS property to change the border of an element to XYZ 15.6421, 7.8406, 10.8142 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(156, 0, 92) }
```


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

```
.border{ border-color:rgb(156, 0, 92) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 92);  
box-shadow:4px 4px 4px 4px rgb(156, 0, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6421, 7.8406, 10.8142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 92) }
```

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

```
.background{ background-color: rgb(156, 0,  
92) }
```

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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