

Converting Colors

XYZ(16.8142, 8.3824, 13.6926)

Have a look what the booklet for
XYZ(16.8142, 8.3824, 13.6926)
contains.

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Color

**XYZ(16.7463, 8.3502,
13.5611)**

Conversions

Conversions Part 1

Format	Color
Hex	9F0067
RGB	159, 0, 103
RGB Percent	62%, 0%, 40%
CMY	0.3765, 0.9999, 0.5961
CMYK	0.00, 1.00, 0.35, 0.38
HSL	321°, 100%, 31%
HSV	321°, 100%, 62%
XYZ	16.7463, 8.3502, 13.5611
YIQ	59.2830, 61.7010, 65.7410

Conversions

Conversions Part 2

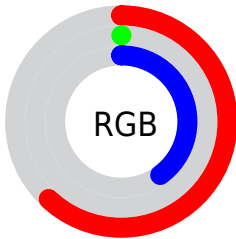
Format	Color
R_{YB}	159, 0, 103
Decimal	10420327
CIE _{Lab}	34.70, 61.76, -12.46
CIE _{LCh}	35, 63.007, 348.592
Yxy	8.3502, 0.4332, 0.2160
Android (android.graphics.Color)	4288610407 (0xFF9F0067)
YUV	59.2830, 21.5525, 87.4518
Hunter-Lab	28.8967, 52.8755, -7.5968

Details

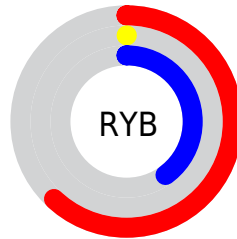
The XYZ color **16.7463, 8.3502, 13.5611** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.1127, 25.0822, 7.8942**, and the grayscale version is **4.1627, 4.3795, 4.7693**.

A 20% lighter version of the original color is **37.4706, 22.6873, 32.9760**, and **6.1933, 3.1103, 4.0153** is the 20% darker color. If you saturate the color by 10%, you get **16.7460, 8.3501, 13.5593**, and if you desaturate by 10%, it is **17.2211, 8.8347, 15.1533**.

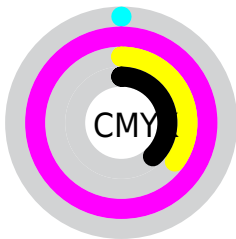
Distribution



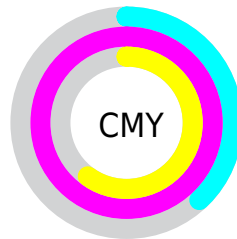
- Red (62%)
- Green (0%)
- Blue (40%)



- Red (62%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (38%)




- Cyan (38%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7463, 8.3502, 13.5611 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 16.7463, 8.3502, 13.5611 by changing the saturation by 10% instead.


 16.7463, 8.3502,
13.5611


 16.7463, 8.3502,
13.5611


226.8910,
178.4536, 225.8157


 10.1480, 4.3198,
7.6808


 37.4361, 22.6422,
33.0141


 5.5602, 1.8540,
3.8066

 52.2583, 33.6726,
47.4238


 2.6176, 0.5205,
1.5198

 70.5525, 47.8051,
65.5137

 0.9550, 0.0000,
0.2326

 92.6841, 65.4242,
87.7024

 0.0000, 0.0000,
0.0000

 119.0184, 86.9141,
114.4085

 149.9207,

112.6594, 146.0503

185.7564,
143.0445, 183.0466

16.7463, 8.3502,
13.5611

16.7463, 8.3502,
13.5611

16.7460, 8.3501,
13.5593

17.2211, 8.8347,
15.1533

17.8586, 9.6138,
16.8942

18.7219, 10.8133,
18.8069

19.8377, 12.4860,
20.9018

21.2288, 14.6770,
23.1881

■ 22.9153, 17.4261,
25.6742

■ 24.9155, 20.7690,
28.3677

■ 27.2459, 24.7386,
31.2755

■ 29.9221, 29.3653,
34.4044

Harmonies

Analogous

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



14.2787, 8.3502, 29.2789



16.7463, 8.3502, 13.5611



16.3827, 8.3502, 4.1540

Triad

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



16.7463, 8.3502, 13.5611



5.9430, 8.3502, 0.0078



4.2071, 8.3502, 33.2442

Complementary

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



16.7463, 8.3502, 13.5611



13.1127, 25.0822, 7.8942

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.



3.0463, 8.3502, 16.9107



16.7463, 8.3502, 13.5611



3.8211, 8.3502, 1.3027

Square

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



16.7463, 8.3502, 13.5611



9.3733, 8.3502, 0.0000



2.9302, 8.3502, 5.7315



6.6548, 8.3502, 45.1850

Rectangle

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



16.7463, 8.3502, 13.5611



14.6018, 8.3502, 1.5160



2.9302, 8.3502, 5.7315



3.6895, 8.3502, 27.6946

Sweetspot

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



16.7466, 8.3507, 13.5612



44.3964, 36.8160, 50.5121



7.8704, 3.3347, 33.0299



9.6759, 7.7403, 10.9478



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.7466, 8.3507, 13.5612



29.8953, 14.9162, 23.7824



14.4618, 7.4368, 1.5301



6.8048, 6.7149, 7.8234



13.2468, 6.6033, 10.8164



0.2562, 0.1258, 0.2954

Inverse Universe

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



16.7466, 8.3507, 13.5612



29.8953, 14.9162, 23.7824



16.7824, 26.5501, 27.2184



6.8048, 6.7149, 7.8234



13.2468, 6.6033, 10.8164



0.2562, 0.1258, 0.2954

Previews

White Background



This preview shows how the XYZ color 16.7463, 8.3502, 13.5611 looks on a white background.

Color Contrast Check

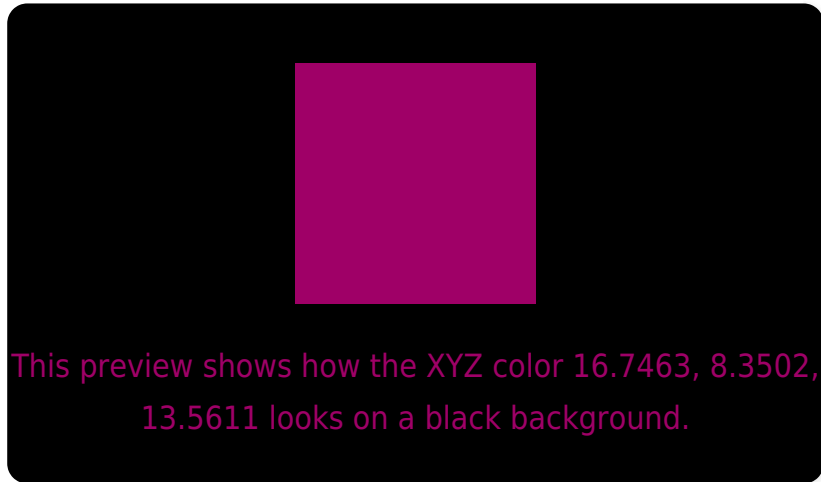
Large Text (above 18pt) WCAG AA ✓ Pass

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

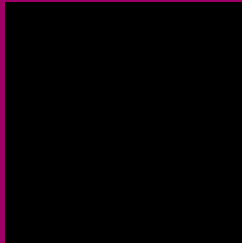
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7463, 8.3502, 13.5611

Background



This preview shows how black text looks on a background with the XYZ color 16.7463, 8.3502, 13.5611.



This preview shows how white text looks on a background with the XYZ color 16.7463, 8.3502,

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

16.7463, 8.3502, 13.5611

Protanopia

9.9906, 9.1339, 28.8402

Deuteranopia

9.0591, 8.9054, 12.3078



Tritanopia

14.7284, 8.7216, 3.0977

Trichromacy



Original Color

16.7463, 8.3502, 13.5611

Protanomaly

9.8840, 6.5121, 22.2087

Deuteranomaly

10.2902, 6.8675, 12.5876

Tritanomaly

15.0051, 8.1769, 5.6379

Monochromacy



Original Color

16.7463, 8.3502, 13.5611

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6824, 4.3271, 7.1396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7463, 8.3502, 13.5611 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(159, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 103)  
}
```

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(159, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 16.7463, 8.3502, 13.5611 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(159, 0, 103) }
```


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

```
.border{ border-color:rgb(159, 0, 103) }
```

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

Here you see how a box with a 4 pixel rgb(159, 0, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(159, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7463, 8.3502, 13.5611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 103) }
```

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

```
.background{ background-color: rgb(159, 0,  
103) }
```

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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