

Converting Colors

XYZ(16.3485, 8.2291, 9.7471)

Have a look what the booklet for
XYZ(16.3485, 8.2291, 9.7471)
contains.

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Color

**XYZ(16.4182, 8.2652,
9.7468)**

Conversions

Conversions Part 1

Format	Color
Hex	A10057
RGB	161, 0, 87
RGB Percent	63%, 0%, 34%
CMY	0.3686, 0.9999, 0.6588
CMYK	0.00, 1.00, 0.46, 0.37
HSL	328°, 100%, 32%
HSV	328°, 100%, 63%
XYZ	16.4182, 8.2652, 9.7468
YIQ	58.0570, 68.0290, 61.1890

Conversions

Conversions Part 2

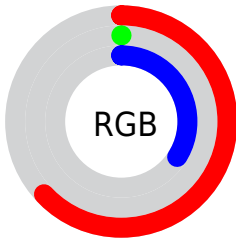
Format	Color
RYB	161, 0, 87
Decimal	10551383
CIELab	34.53, 60.66, -2.35
CIELCh	35, 60.709, 357.784
Yxy	8.2652, 0.4769, 0.2401
Android (android.graphics.Color)	4288741463 (0xFFA10057)
YUV	58.0570, 14.2689, 90.2810
Hunter-Lab	28.7493, 51.6270, 0.0235

Details

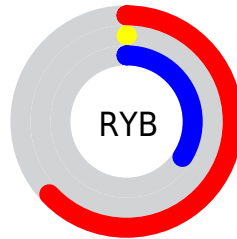
The XYZ color **16.4182, 8.2652, 9.7468** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.9820, 25.9845, 10.7615**, and the grayscale version is **4.0063, 4.2149, 4.5900**.

A 20% lighter version of the original color is **36.9880, 22.4860, 26.0577**, and **6.0114, 3.0507, 2.4625** is the 20% darker color. If you saturate the color by 10%, you get **16.4177, 8.2650, 9.7444**, and if you desaturate by 10%, it is **16.9234, 8.7667, 11.4845**.

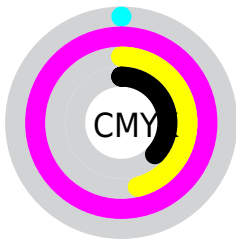
Distribution



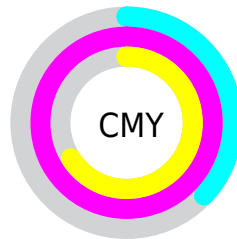
- Red (63%)
- Green (0%)
- Blue (34%)



- Red (63%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (37%)





- Cyan (37%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4182, 8.2652, 9.7468 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 16.4182, 8.2652, 9.7468 by changing the saturation by 10% instead.


 16.4182, 8.2652,
9.7468


 16.4182, 8.2652,
9.7468


225.0191,
177.7976, 199.2740


 9.9133, 4.2651,
5.1280


 36.8743, 22.4767,
25.9185


 5.4033, 1.8229,
2.2625

 51.5562, 33.4569,
38.3084


 2.5230, 0.5014,
0.7101

 69.6945, 47.5327,
54.1259

 0.9069, 0.0000,
0.0000

 91.6546, 65.0883,
73.7893

 0.0000, 0.0000,
0.0000

 117.8017, 86.5082,
97.7173

 148.5013,

112.1768, 126.3284

184.1186,
142.4784, 160.0411

16.4182, 8.2652,
9.7468

16.4182, 8.2652,
9.7468

16.4177, 8.2650,
9.7444

16.9234, 8.7667,
11.4845

17.6089, 9.5776,
13.4396

18.5394, 10.8261,
15.6380

19.7430, 12.5670,
18.0930

21.2435, 14.8469,
20.8167

■ 23.0623, 17.7070,
23.8198

■ 25.2185, 21.1844,
27.1124

■ 27.7296, 25.3132,
30.7038

■ 30.6120, 30.1249,
34.6031

Harmonies

Analogous

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



14.8273, 8.2652, 23.2169



16.4182, 8.2652, 9.7468



15.2187, 8.2652, 2.7699

Triad

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



16.4182, 8.2652, 9.7468



5.1743, 8.2652, 0.4071



4.8483, 8.2652, 36.1448

Complementary

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



16.4182, 8.2652, 9.7468



13.9820, 25.9845, 10.7615

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.



3.3594, 8.2652, 20.9261



16.4182, 8.2652, 9.7468



3.5057, 8.2652, 2.2342

Square

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



16.4182, 8.2652, 9.7468



8.1126, 8.2652, 0.0000



2.9502, 8.2652, 8.2912



7.6045, 8.2652, 43.9281

Rectangle

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



16.4182, 8.2652, 9.7468



13.1482, 8.2652, 1.0198



2.9502, 8.2652, 8.2912



4.2169, 8.2652, 31.3612

Sweetspot

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



16.4184, 8.2657, 9.7469



44.9239, 37.5480, 48.2005



9.1404, 3.9693, 34.0024



9.5054, 7.6721, 10.0499



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.



16.4184, 8.2657, 9.7469



29.3022, 14.7616, 16.9210



14.7424, 7.5953, 0.9209



7.2263, 7.1470, 8.1780



13.1332, 6.6093, 7.8919



0.2995, 0.1483, 0.2898

Inverse Universe

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



16.4184, 8.2657, 9.7469



29.3022, 14.7616, 16.9210



18.4908, 27.7880, 34.5048



7.2263, 7.1470, 8.1780



13.1332, 6.6093, 7.8919



0.2995, 0.1483, 0.2898

Previews

White Background



This preview shows how the XYZ color 16.4182, 8.2652, 9.7468 looks on a white background.

Color Contrast Check

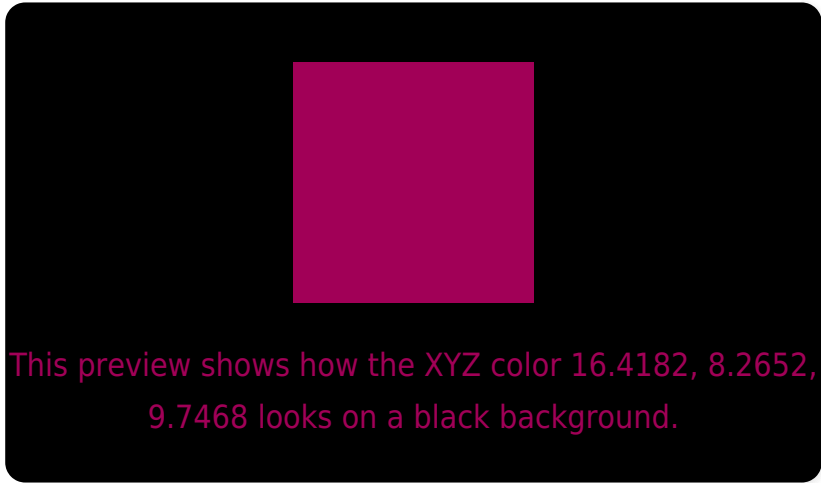
Large Text (above 18pt) WCAG AA ✓ Pass

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

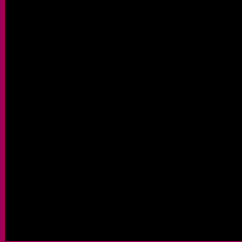
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4182, 8.2652, 9.7468

Background



This preview shows how black text looks on a background with the XYZ color 16.4182, 8.2652, 9.7468.



This preview shows how white text looks on a background with the XYZ color 16.4182, 8.2652, 9.7468.

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

16.4182, 8.2652, 9.7468

Protanopia

9.3207, 8.9693, 20.6420

Deuteranopia

9.0065, 8.8437, 8.8217



Tritanopia

15.0050, 8.5925, 2.4578

Trichromacy



Original Color

16.4182, 8.2652, 9.7468

Protanomaly

9.7359, 6.5775, 15.7954

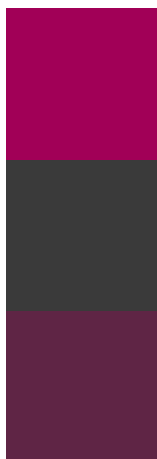
Deuteranomaly

10.2605, 6.9321, 8.9808

Tritanomaly

15.2508, 8.2111, 4.2711

Monochromacy



Original Color

16.4182, 8.2652, 9.7468

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.4551, 4.1857, 6.0979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4182, 8.2652, 9.7468 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(161, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 87)  
}
```

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(161, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 16.4182, 8.2652, 9.7468 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(161, 0, 87) }
```


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

```
.border{ border-color:rgb(161, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(161, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(161, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4182, 8.2652, 9.7468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 87) }
```

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

```
.background{ background-color: rgb(161, 0,  
87) }
```

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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