

Converting Colors

XYZ(16.1817, 8.1260, 13.4408)

Have a look what the booklet for
XYZ(16.1817, 8.1260, 13.4408)
contains.

XYZ(16.2019, 8.1340, 13.5481)	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(16.2019, 8.1340,
13.5481)**

Conversions

Conversions Part 1

Format	Color
Hex	9C0467
RGB	156, 4, 103
RGB Percent	61%, 2%, 40%
CMY	0.3882, 0.9842, 0.5961
CMYK	0.00, 0.97, 0.34, 0.39
HSL	321°, 95%, 31%
HSV	321°, 97%, 61%
XYZ	16.2019, 8.1340, 13.5481
YIQ	60.7340, 58.8130, 63.0130

Conversions

Conversions Part 2

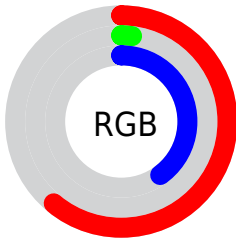
Format	Color
R_{YB}	156, 4, 103
Decimal	10224743
CIE _{Lab}	34.26, 60.59, -13.19
CIE _{LCh}	34, 62.013, 347.718
Yxy	8.1340, 0.4277, 0.2147
Android (android.graphics.Color)	4288414823 (0xFF9C0467)
YUV	60.7340, 20.8371, 83.5483
Hunter-Lab	28.5202, 51.4930, -8.2008

Details

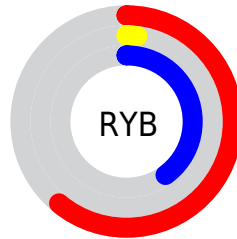
The XYZ color **16.2019, 8.1340, 13.5481** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.6778, 24.0985, 7.8566**, and the grayscale version is **4.3651, 4.5924, 5.0011**.

A 20% lighter version of the original color is **36.5815, 22.2289, 32.9344**, and **5.8594, 2.9382, 3.9997** is the 20% darker color. If you saturate the color by 10%, you get **16.0888, 8.0193, 13.1663**, and if you desaturate by 10%, it is **16.6841, 8.6470, 15.1003**.

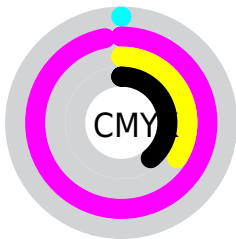
Distribution



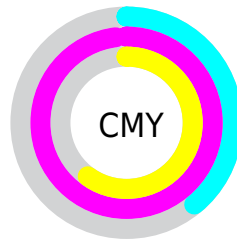
- Red (61%)
- Green (2%)
- Blue (40%)



- Red (61%)
- Yellow (2%)
- Blue (40%)



- Cyan (0%)
- Magenta (97%)
- Yellow (34%)
- Black (39%)



- Cyan (39%)
- Magenta (98%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2019, 8.1340, 13.5481 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 16.2019, 8.1340, 13.5481 by changing the saturation by 10% instead.

16.2019, 8.1340,
13.5481

16.2019, 8.1340,
13.5481

223.7772,
176.7793, 225.7309

9.7589, 4.1808,
7.6719

36.5030, 22.2207,
32.9905

5.3004, 1.7752,
3.8010

51.0918, 33.1230,
47.3938

2.4611, 0.4717,
1.5168

69.1265, 47.1105,
65.4766

0.8757, 0.0000,
0.2304

90.9726, 64.5676,
87.6573

0.0000, 0.0000,
0.0000

116.9953, 85.8786,
114.3546

147.5601,

111.4279, 145.9869

183.0323,
141.6000, 182.9728

16.2019, 8.1340,
13.5481

16.2019, 8.1340,
13.5481

16.0888, 8.0193,
13.1663

16.6841, 8.6470,
15.1003

17.3483, 9.4951,
16.8024

18.2353, 10.7594,
18.6696

19.3695, 12.4881,
20.7116

20.7718, 14.7225,
22.9368

■ 22.4609, 17.4995,
25.3530

■ 24.4537, 20.8526,
27.9671

■ 26.7657, 24.8124,
30.7858

■ 29.4115, 29.4073,
33.8153

Harmonies

Analogous

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



13.7567, 8.1340, 28.7959



16.2019, 8.1340, 13.5481



15.9365, 8.1340, 4.2387

Triad

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



16.2019, 8.1340, 13.5481



5.8815, 8.1340, 0.0000



4.0695, 8.1340, 31.6863

Complementary

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



16.2019, 8.1340, 13.5481



12.6778, 24.0985, 7.8566

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.



2.9746, 8.1340, 15.9949



16.2019, 8.1340, 13.5481



3.7860, 8.1340, 1.2349

Square

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



16.2019, 8.1340, 13.5481



9.2311, 8.1340, 0.0000



2.8892, 8.1340, 5.3964



6.4031, 8.1340, 43.4544

Rectangle

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



16.2019, 8.1340, 13.5481



14.2618, 8.1340, 1.5737



2.8892, 8.1340, 5.3964



3.5788, 8.1340, 26.3247

Sweetspot

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



16.2021, 8.1345, 13.5482



43.5886, 36.4736, 49.7444



7.6024, 3.2907, 31.6870



9.2717, 7.4869, 10.5293



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.



16.2021, 8.1345, 13.5482



29.1258, 14.5270, 23.4085



13.9801, 7.2456, 1.8469



6.8058, 6.7152, 7.8285



13.2690, 6.6122, 10.9333



0.2565, 0.1259, 0.2969

Inverse Universe

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



16.2021, 8.1345, 13.5482



29.1258, 14.5270, 23.4085



16.0132, 25.4327, 25.4206



6.8058, 6.7152, 7.8285



13.2690, 6.6122, 10.9333



0.2565, 0.1259, 0.2969

Previews

White Background



This preview shows how the XYZ color 16.2019, 8.1340, 13.5481 looks on a white background.

Color Contrast Check

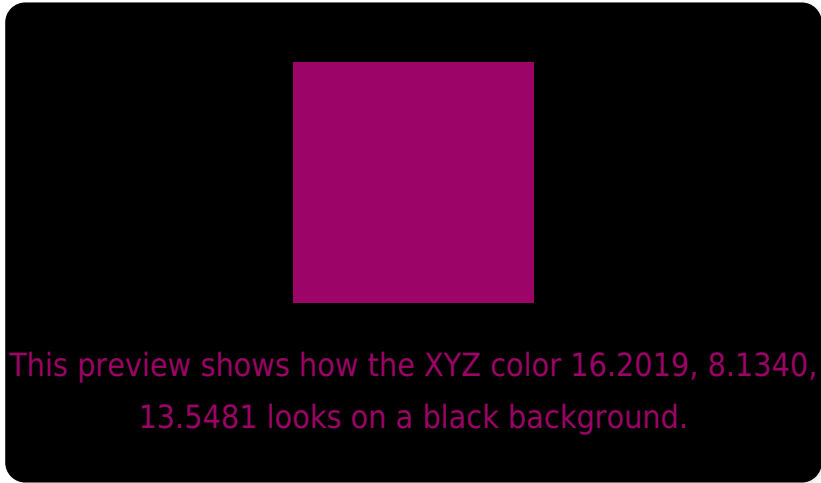
Large Text (above 18pt) WCAG AA ✓ Pass

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

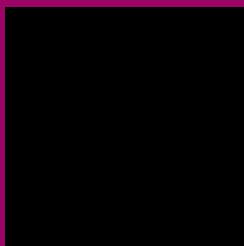
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2019, 8.1340, 13.5481

Background



This preview shows how black text looks on a background with the XYZ color 16.2019, 8.1340, 13.5481.



This preview shows how white text looks on a background with the XYZ color 16.2019, 8.1340,

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

16.2019, 8.1340, 13.5481

Protanopia

9.6771, 8.7483, 28.7823

Deuteranopia

8.8001, 8.6607, 12.2742



Tritanopia

14.1598, 8.4284, 3.0710

Trichromacy



Original Color

16.2019, 8.1340, 13.5481

Protanomaly

9.5863, 6.3586, 22.1948

Deuteranomaly

10.0808, 6.8266, 12.5907

Tritanomaly

14.4775, 7.9730, 5.6264

Monochromacy



Original Color

16.2019, 8.1340, 13.5481

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.8872, 4.5262, 7.3481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2019, 8.1340, 13.5481 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, 4, 103)` looks like.

```
.text, #text, p{  
    color:rgb(156, 4, 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(156, 4, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 4, 103) }
```

Border

The CSS property to change the border of an element to XYZ 16.2019, 8.1340, 13.5481 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, 4, 103) }
```


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

```
.border{ border-color:rgb(156, 4, 103) }
```

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

Here you see how a box with a 4 pixel rgb(156, 4, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 4, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 4, 103);  
box-shadow:4px 4px 4px 4px rgb(156, 4,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2019, 8.1340, 13.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 4, 103) }
```

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

```
.background{ background-color: rgb(156, 4,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor