

Converting Colors

XYZ(18.0474, 9.7723, 5.9716)

Have a look what the booklet for
XYZ(18.0474, 9.7723, 5.9716)
contains.

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Color

**XYZ(18.1407, 9.8234,
5.9410)**

Conversions

Conversions Part 1

Format	Color
Hex	AB1B41
RGB	171, 27, 65
RGB Percent	67%, 11%, 25%
CMY	0.3294, 0.8941, 0.7451
CMYK	0.00, 0.84, 0.62, 0.33
HSL	344°, 73%, 39%
HSV	344°, 84%, 67%
XYZ	18.1407, 9.8234, 5.9410
YIQ	74.3880, 73.6260, 42.3460

Conversions

Conversions Part 2

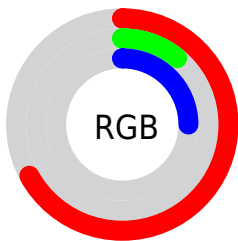
Format	Color
R_{YB}	171, 27, 65
Decimal	11213633
CIE Lab	37.52, 57.17, 16.42
CIE LCh	38, 59.485, 16.029
Yxy	9.8234, 0.5350, 0.2897
Android (android.graphics.Color)	4289403713 (0xFFAB1B41)
YUV	74.3880, -4.6283, 84.7287
Hunter-Lab	31.3423, 48.4655, 10.7011

Details

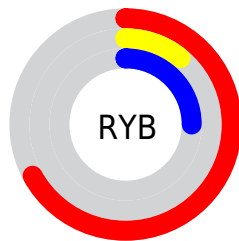
The XYZ color **18.1407, 9.8234, 5.9410** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.2497, 31.0528, 27.1737**, and the grayscale version is **6.5777, 6.9203, 7.5362**.

A 20% lighter version of the original color is **39.7757, 25.4704, 18.1491**, and **6.7102, 3.4414, 1.1212** is the 20% darker color. If you saturate the color by 10%, you get **17.5313, 9.1248, 4.1349**, and if you desaturate by 10%, it is **19.0599, 11.0118, 8.2516**.

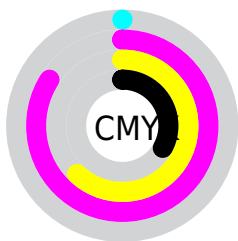
Distribution



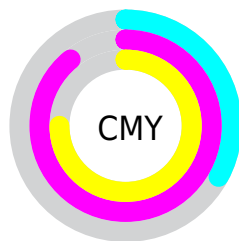
- Red (67%)
- Green (11%)
- Blue (25%)



- Red (67%)
- Yellow (11%)
- Blue (25%)



- Cyan (0%)
- Magenta (84%)
- Yellow (62%)
- Black (33%)



- Cyan (33%)
- Magenta (89%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1407, 9.8234, 5.9410 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 18.1407, 9.8234, 5.9410 by changing the saturation by 10% instead.


 18.1407, 9.8234,
5.9410


 18.1407, 9.8234,
5.9410


234.6932,
189.4070, 167.8312


 11.1513, 5.2820,
2.7410


 39.8051, 25.4628,
18.2839


 6.2368, 2.4137,
0.9640


 55.2109, 37.3296,
28.2638


 3.0316, 0.8329,
0.0000

 74.1529, 52.4070,
41.3409

 1.1705, 0.0000,
0.0000

 96.9964, 71.0794,
57.9335

 0.0829, 0.0000,
0.0000

 124.1069, 93.7313,
78.4604

 0.0000, 0.0000,
0.0000

 155.8496,

120.7468, 103.3399

192.5899,
152.5106, 132.9907

■ 18.1407, 9.8234,
5.9410

■ 18.1407, 9.8234,
5.9410

■ 17.5313, 9.1248,
4.1349

■ 19.0599, 11.0118,
8.2516

■ 17.2705, 8.8483,
3.2919

■ 20.3277, 12.7593,
11.1039

■ 21.9776, 15.1257,
14.5316

■ 24.0389, 18.1627,
18.5655

■ 26.5379, 21.9165,
23.2339

■ 29.4986, 26.4293,
28.5634

■ 32.9432, 31.7397,
34.5789

■ 36.8926, 37.8840,
41.3041

■ 41.3662, 44.8961,
48.7614

Harmonies

Analogous

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



18.2454, 9.8234, 16.5075



18.1407, 9.8234, 5.9410



15.3025, 9.8234, 1.6479

Triad

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



18.1407, 9.8234, 5.9410



5.0439, 9.8234, 1.8034



7.6994, 9.8234, 45.9421

Complementary

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



18.1407, 9.8234, 5.9410



19.2497, 31.0528, 27.1737

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.



5.1665, 9.8234, 33.5558



18.1407, 9.8234, 5.9410



3.9356, 9.8234, 6.4390

Square

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



18.1407, 9.8234, 5.9410



7.4813, 9.8234, 0.5260



3.9735, 9.8234, 17.4841



11.4764, 9.8234, 45.4361

Rectangle

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



18.1407, 9.8234, 5.9410



12.5892, 9.8234, 0.7230



3.9735, 9.8234, 17.4841



6.6992, 9.8234, 42.9140

Sweetspot

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



18.1409, 9.8240, 5.9411



52.1276, 46.2565, 49.9079



17.3532, 8.6790, 39.2887



11.2080, 9.6787, 10.3846



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.1409, 9.8240, 5.9411



30.8556, 15.8168, 5.5008



18.6405, 12.0330, 2.3778



8.0888, 8.0488, 8.7783



13.0385, 6.6779, 2.5820



0.3854, 0.1948, 0.1912

Inverse Universe

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



18.1409, 9.8240, 5.9411



30.8556, 15.8168, 5.5008



16.8060, 21.1795, 41.7304



8.0888, 8.0488, 8.7783



13.0385, 6.6779, 2.5820



0.3854, 0.1948, 0.1912

Previews

White Background



This preview shows how the XYZ color 18.1407, 9.8234, 5.9410 looks on a white background.

Color Contrast Check

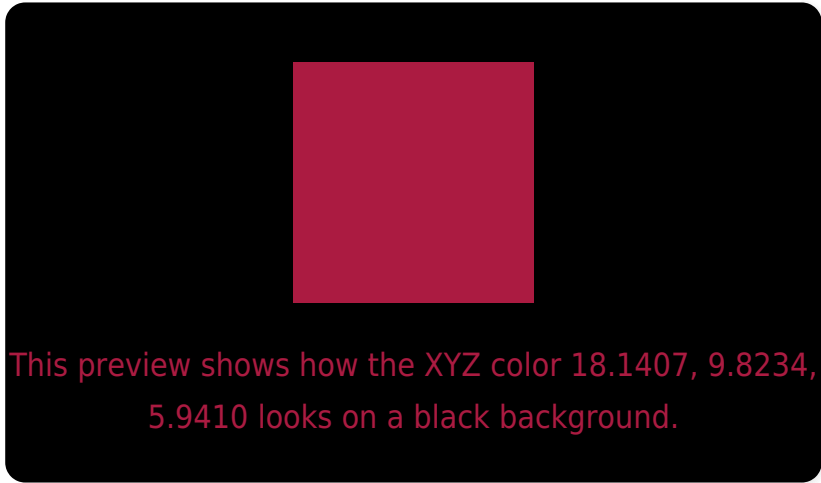
Large Text (above 18pt) WCAG AA ✓ Pass

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

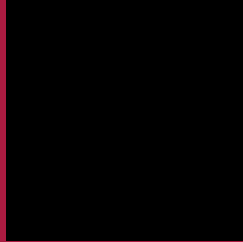
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1407, 9.8234, 5.9410

Background



This preview shows how black text looks on a background with the XYZ color 18.1407, 9.8234, 5.9410.



This preview shows how white text looks on a background with the XYZ color 18.1407, 9.8234,

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

18.1407, 9.8234, 5.9410

Protanopia

9.8185, 10.1416, 11.5652

Deuteranopia

10.2759, 10.1492, 5.4204



Tritanopia

17.4820, 9.8695, 2.5737

Trichromacy



Original Color

18.1407, 9.8234, 5.9410

Protanomaly

11.2169, 8.4987, 9.0319

Deuteranomaly

12.0927, 8.9428, 5.5037

Tritanomaly

17.5872, 9.7763, 3.5448

Monochromacy



Original Color

18.1407, 9.8234, 5.9410

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.9071, 6.6324, 6.7720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1407, 9.8234, 5.9410 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(171, 27, 65)` looks like.

```
.text, #text, p{  
    color:rgb(171, 27, 65)  
}
```

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(171, 27, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 27, 65) }
```

Border

The CSS property to change the border of an element to XYZ 18.1407, 9.8234, 5.9410 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(171, 27, 65) }
```


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

```
.border{ border-color:rgb(171, 27, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 27, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 27, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 27, 65);  
box-shadow:4px 4px 4px 4px rgb(171, 27,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1407, 9.8234, 5.9410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 27, 65) }
```

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

```
.background{ background-color: rgb(171, 27,  
65) }
```

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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