

Converting Colors

XYZ(18.1957, 9.6827, 14.7525)

Have a look what the booklet for
XYZ(18.1957, 9.6827, 14.7525)
contains.

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Color

**XYZ(18.1734, 9.6786,
14.8202)**

Conversions

Conversions Part 1

Format	Color
Hex	A31C6B
RGB	163, 28, 107
RGB Percent	64%, 11%, 42%
CMY	0.3608, 0.8902, 0.5804
CMYK	0.00, 0.83, 0.34, 0.36
HSL	325°, 71%, 37%
HSV	325°, 83%, 64%
XYZ	18.1734, 9.6786, 14.8202
YIQ	77.3710, 55.1010, 53.1890

Conversions

Conversions Part 2

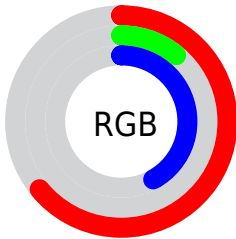
Format	Color
R_{YB}	163, 28, 107
Decimal	10689643
CIE _{Lab}	37.26, 58.48, -11.05
CIE _{LCh}	37, 59.520, 349.298
Yxy	9.6786, 0.4259, 0.2268
Android (android.graphics.Color)	4288879723 (0xFFA31C6B)
YUV	77.3710, 14.6071, 75.0966
Hunter-Lab	31.1104, 49.8288, -6.4669

Details

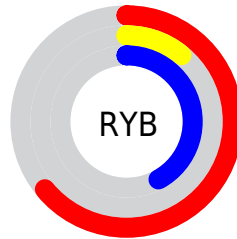
The XYZ color **18.1734, 9.6786, 14.8202** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.1771, 27.0818, 12.8172**, and the grayscale version is **7.0906, 7.4599, 8.1238**.

A 20% lighter version of the original color is **39.8681, 25.1430, 35.0995**, and **6.7595, 3.3904, 4.5731** is the 20% darker color. If you saturate the color by 10%, you get **17.5441, 8.9673, 12.9233**, and if you desaturate by 10%, it is **19.0404, 10.8207, 16.9338**.

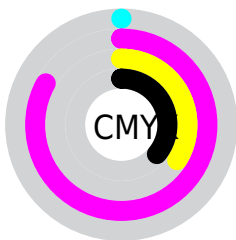
Distribution



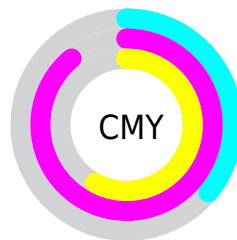
- Red (64%)
- Green (11%)
- Blue (42%)



- Red (64%)
- Yellow (11%)
- Blue (42%)



- Cyan (0%)
- Magenta (83%)
- Yellow (34%)
- Black (36%)




- Cyan (36%)
- Magenta (89%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1734, 9.6786, 14.8202 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 18.1734, 9.6786, 14.8202 by changing the saturation by 10% instead.


 18.1734, 9.6786,
14.8202


 18.1734, 9.6786,
14.8202


234.8733,
188.3626, 233.8785


 11.1750, 5.1864,
8.5481


 39.8603, 25.1892,
35.2753


 6.2528, 2.3570,
4.3548


 55.2796, 36.9764,
50.2953


 3.0415, 0.8036,
1.8220

 74.2365, 51.9640,
69.0684

 1.1758, 0.0000,
0.4424

 97.0964, 70.5365,
92.0131

 0.0871, 0.0000,
0.0000

 124.2247, 93.0781,
119.5479

 0.0000, 0.0000,
0.0000

 155.9867,

119.9735, 152.0914

192.7478,
151.6068, 190.0621

■ 18.1734, 9.6786,
14.8202

■ 18.1734, 9.6786,
14.8202

■ 17.5441, 8.9673,
12.9233

■ 19.0404, 10.8207,
16.9338

■ 17.1872, 8.6197,
11.6751

■ 20.1745, 12.4515,
19.2766

■ 21.6014, 14.6217,
21.8604

■ 23.3437, 17.3749,
24.6953

■ 25.4213, 20.7507,
27.7908

■ 27.8526, 24.7846,
31.1558

■ 30.6545, 29.5099,
34.7984

■ 33.8430, 34.9574,
38.7266

■ 37.4329, 41.1561,
42.9477

Harmonies

Analogous

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



15.7598, 9.6786, 30.3465



18.1734, 9.6786, 14.8202



17.7399, 9.6786, 5.1131

Triad

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



18.1734, 9.6786, 14.8202



7.0313, 9.6786, 0.5638



5.2775, 9.6786, 34.9583

Complementary

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



18.1734, 9.6786, 14.8202



15.1771, 27.0818, 12.8172

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.



3.9637, 9.6786, 18.8650



18.1734, 9.6786, 14.8202



4.7711, 9.6786, 2.0276

Square

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



18.1734, 9.6786, 14.8202



10.5930, 9.6786, 0.4024



3.8074, 9.6786, 7.1726



7.9334, 9.6786, 46.2216

Rectangle

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



18.1734, 9.6786, 14.8202



15.9217, 9.6786, 2.1585



3.8074, 9.6786, 7.1726



4.6987, 9.6786, 29.5746

Sweetspot

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



18.1737, 9.6791, 14.8204



48.6650, 42.3557, 54.1536



10.5067, 5.2695, 35.1138



10.5996, 8.9641, 11.7074



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.1737, 9.6791, 14.8204



30.7577, 15.4647, 20.6740



15.9290, 8.7813, 3.0002



7.2394, 7.1522, 8.2471



13.3806, 6.7083, 9.1947



0.3039, 0.1501, 0.3130

Inverse Universe

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



18.1737, 9.6791, 14.8204



30.7577, 15.4647, 20.6740



19.0414, 28.6275, 33.1662



7.2394, 7.1522, 8.2471



13.3806, 6.7083, 9.1947



0.3039, 0.1501, 0.3130

Previews

White Background



This preview shows how the XYZ color 18.1734, 9.6786, 14.8202 looks on a white background.

Color Contrast Check

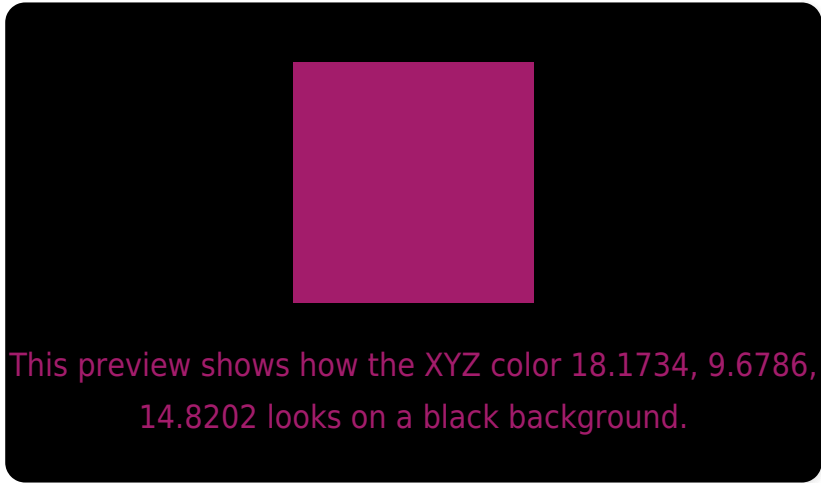
Large Text (above 18pt) WCAG AA ✓ Pass

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

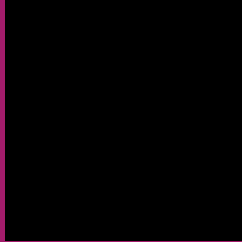
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1734, 9.6786, 14.8202

Background



This preview shows how black text looks on a background with the XYZ color 18.1734, 9.6786, 14.8202.



This preview shows how white text looks on a background with the XYZ color 18.1734, 9.6786,

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

18.1734, 9.6786, 14.8202

Protanopia

10.8546, 10.0468, 28.9709

Deuteranopia

10.2226, 10.0636, 13.4603



Tritanopia

15.9526, 9.7238, 4.1681

Trichromacy



Original Color

18.1734, 9.6786, 14.8202

Protanomaly

11.4799, 8.3291, 22.8324

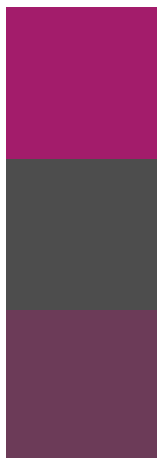
Deuteranomaly

11.8676, 8.7273, 13.8910

Tritanomaly

16.4275, 9.5144, 6.9319

Monochromacy



Original Color

18.1734, 9.6786, 14.8202

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.5098, 7.0207, 10.0864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1734, 9.6786, 14.8202 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(163, 28, 107)` looks like.

```
.text, #text, p{  
    color:rgb(163, 28, 107)  
}
```

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(163, 28, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 28, 107) }
```

Border

The CSS property to change the border of an element to XYZ 18.1734, 9.6786, 14.8202 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(163, 28, 107) }
```


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

```
.border{ border-color:rgb(163, 28, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 28, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 28, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 28, 107);  
box-shadow:4px 4px 4px 4px rgb(163, 28,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1734, 9.6786, 14.8202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 28, 107) }
```

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

```
.background{ background-color: rgb(163, 28,  
107) }
```

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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