

Converting Colors

XYZ(19.0110, 9.6714, 6.7237)

Have a look what the booklet for
XYZ(19.0110, 9.6714, 6.7237)
contains.

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Color

**XYZ(19.0100, 9.6723,
6.6594)**

Conversions

Conversions Part 1

Format	Color
Hex	B00046
RGB	176, 0, 70
RGB Percent	69%, 0%, 27%
CMY	0.3098, 0.9999, 0.7255
CMYK	0.00, 1.00, 0.60, 0.31
HSL	336°, 100%, 35%
HSV	336°, 100%, 69%
XYZ	19.0100, 9.6723, 6.6594
YIQ	60.6040, 82.4260, 59.0820

Conversions

Conversions Part 2

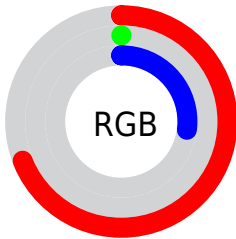
Format	Color
R_{YB}	176, 0, 70
Decimal	11534406
CIE _{Lab}	37.25, 62.89, 13.01
CIE _{LCh}	37, 64.220, 11.686
Yxy	9.6723, 0.5379, 0.2737
Android (android.graphics.Color)	4289724486 (0xFFB00046)
YUV	60.6040, 4.6322, 101.2023
Hunter-Lab	31.1003, 54.6822, 9.0747

Details

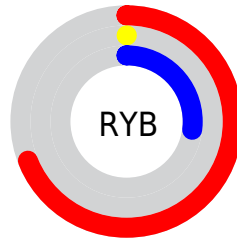
The XYZ color **19.0100, 9.6723, 6.6594** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.1286, 32.0919, 18.8822**, and the grayscale version is **4.3673, 4.5947, 5.0037**.

A 20% lighter version of the original color is **41.3986, 25.2225, 19.8260**, and **7.4121, 3.7968, 1.4408** is the 20% darker color. If you saturate the color by 10%, you get **19.0094, 9.6720, 6.6565**, and if you desaturate by 10%, it is **19.5851, 10.2389, 8.6506**.

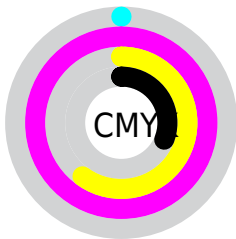
Distribution



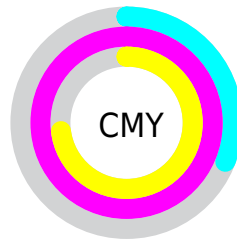
- Red (69%)
- Green (0%)
- Blue (27%)



- Red (69%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.0100, 9.6723, 6.6594 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 19.0100, 9.6723, 6.6594 by changing the saturation by 10% instead.


 19.0100, 9.6723,
6.6594


 19.0100, 9.6723,
6.6594


239.4410,
188.3170, 174.3249


 11.7816, 5.1822,
3.1748


 41.2677, 25.1773,
19.7857


 6.6662, 2.3546,
1.1846


 57.0277, 36.9610,
30.2646


 3.2987, 0.8024,
0.0000

 76.3623, 51.9447,
43.9119

 1.3136, 0.0000,
0.0000

 99.6368, 70.5128,
61.1463

 0.1934, 0.0000,
0.0000

 127.2165, 93.0497,
82.3862

 0.0000, 0.0000,
0.0000

 159.4669,

119.9397, 108.0503

196.7533,
151.5674, 138.5570

■ 19.0100, 9.6723,
6.6594

■ 19.0100, 9.6723,
6.6594

■ 19.0094, 9.6720,
6.6565

■ 19.5851, 10.2389,
8.6506

■ 20.4093, 11.2045,
11.0307

■ 21.5584, 12.7161,
13.8381

■ 23.0688, 14.8432,
17.0975

■ 24.9722, 17.6445,
20.8313

■ 27.2962, 21.1721,
25.0600

■ 30.0660, 25.4729,
29.8027

■ 33.3048, 30.5896,
35.0774

■ 37.0339, 36.5620,
40.9011

Harmonies

Analogous

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



18.6376, 9.6723, 19.1145



19.0100, 9.6723, 6.6594



16.2444, 9.6723, 1.6108

Triad

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



19.0100, 9.6723, 6.6594



4.9569, 9.6723, 1.1473



6.9753, 9.6723, 48.5303

Complementary

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



19.0100, 9.6723, 6.6594



18.1286, 32.0919, 18.8822

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.



4.5506, 9.6723, 33.1273



19.0100, 9.6723, 6.6594



3.6409, 9.6723, 5.0014

Square

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



19.0100, 9.6723, 6.6594



7.7171, 9.6723, 0.0931



3.5178, 9.6723, 15.6720



10.8465, 9.6723, 50.3849

Rectangle

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



19.0100, 9.6723, 6.6594



13.3607, 9.6723, 0.5372



3.5178, 9.6723, 15.6720



5.9973, 9.6723, 44.4294

Sweetspot

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



19.0102, 9.6729, 6.6595



54.2367, 45.7400, 53.5623



13.7345, 6.1756, 41.5422



11.2887, 9.1869, 10.8213



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.0102, 9.6729, 6.6595



34.3723, 17.5002, 11.5219



18.1149, 9.6507, 0.9088



8.6317, 8.5594, 9.5588



13.9748, 7.1075, 5.0273



0.4689, 0.2353, 0.3119

Inverse Universe

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



19.0102, 9.6729, 6.6595



34.3723, 17.5002, 11.5219



20.1324, 27.7260, 45.3647



8.6317, 8.5594, 9.5588



13.9748, 7.1075, 5.0273



0.4689, 0.2353, 0.3119

Previews

White Background



This preview shows how the XYZ color 19.0100, 9.6723, 6.6594 looks on a white background.

Color Contrast Check

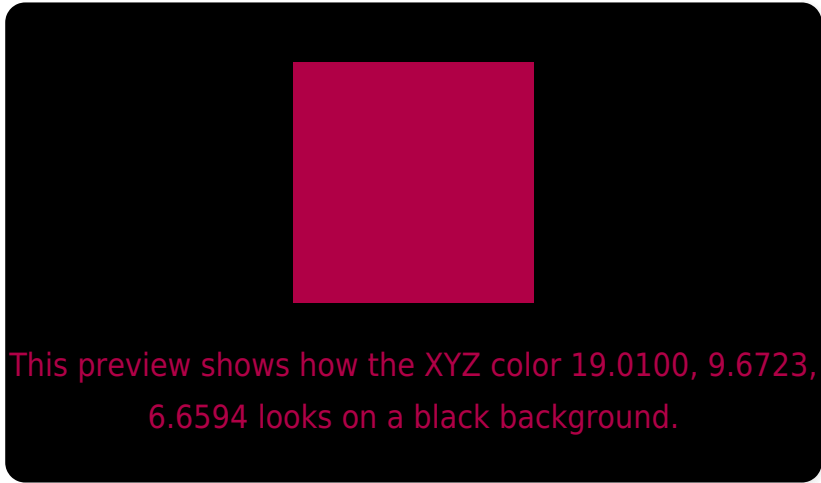
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0100, 9.6723, 6.6594

Background



This preview shows how black text looks on a background with the XYZ color 19.0100, 9.6723, 6.6594.



This preview shows how white text looks on a background with the XYZ color 19.0100, 9.6723,

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

19.0100, 9.6723, 6.6594

Protanopia

10.1743, 10.3955, 14.0407

Deuteranopia

10.4897, 10.3634, 6.1501



Tritanopia

18.0573, 9.9038, 1.9372

Trichromacy



Original Color

19.0100, 9.6723, 6.6594

Protanomaly

11.1937, 7.7294, 10.5748

Deuteranomaly

12.0224, 8.1123, 6.0864

Tritanomaly

18.3134, 9.7137, 3.1002

Monochromacy



Original Color

19.0100, 9.6723, 6.6594

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.2445, 4.7048, 5.3768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0100, 9.6723, 6.6594 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(176, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 70)  
}
```

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(176, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 19.0100, 9.6723, 6.6594 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(176, 0, 70) }
```


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

```
.border{ border-color:rgb(176, 0, 70) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.0100, 9.6723, 6.6594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 70) }
```

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

```
.background{ background-color: rgb(176, 0,  
70) }
```

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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