

Converting Colors

XYZ(16.4938, 4.9069, 5.9413)

Have a look what the booklet for
XYZ(16.4938, 4.9069, 5.9413)
contains.

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Color

**XYZ(18.7847, 9.5562,
6.6488)**

Conversions

Conversions Part 1

Format	Color
Hex	AF0046
RGB	175, 0, 70
RGB Percent	69%, 0%, 27%
CMY	0.3137, 0.9999, 0.7255
CMYK	0.00, 1.00, 0.60, 0.31
HSL	336°, 100%, 34%
HSV	336°, 100%, 69%
XYZ	18.7847, 9.5562, 6.6488
YIQ	60.3050, 81.8300, 58.8700

Conversions

Conversions Part 2

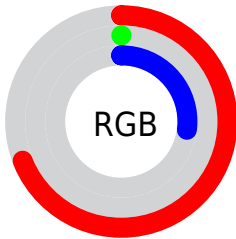
Format	Color
R_{YB}	175, 0, 70
Decimal	11468870
CIE Lab	37.03, 62.65, 12.68
CIE LCh	37, 63.921, 11.442
Yxy	9.5562, 0.5369, 0.2731
Android (android.graphics.Color)	4289658950 (0xFFAF0046)
YUV	60.3050, 4.7796, 100.5875
Hunter-Lab	30.9131, 54.3696, 8.8871

Details

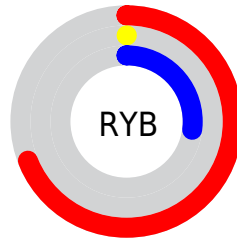
The XYZ color **18.7847, 9.5562, 6.6488** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.8817, 31.6805, 18.5454**, and the grayscale version is **4.3254, 4.5507, 4.9557**.

A 20% lighter version of the original color is **41.0637, 25.0499, 19.8103**, and **7.2798, 3.7287, 1.4346** is the 20% darker color. If you saturate the color by 10%, you get **18.7840, 9.5559, 6.6457**, and if you desaturate by 10%, it is **19.3545, 10.1181, 8.6199**.

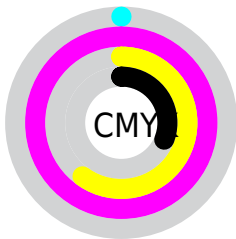
Distribution



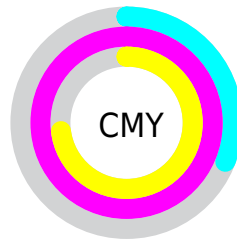
- Red (69%)
- Green (0%)
- Blue (27%)



- 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 18.7847, 9.5562, 6.6488 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 18.7847, 9.5562, 6.6488 by changing the saturation by 10% instead.


 18.7847, 9.5562,
6.6488


 18.7847, 9.5562,
6.6488


238.2186,
187.4746, 174.2314


 11.6179, 5.1057,
3.1684


 40.8897, 24.9573,
19.7638


 6.5544, 2.3094,
1.1812


 56.5585, 36.6768,
30.2355


 3.2289, 0.7787,
0.0000

 75.7921, 51.5880,
43.8746

 1.2759, 0.0000,
0.0000

 98.9558, 70.0754,
61.0998

 0.1651, 0.0000,
0.0000

 126.4150, 92.5234,
82.3295

 0.0000, 0.0000,
0.0000

 158.5349,

119.3163, 107.9823

195.6810,
150.8386, 138.4768

■ 18.7847, 9.5562,
6.6488

■ 18.7847, 9.5562,
6.6488

■ 18.7840, 9.5559,
6.6457

■ 19.3545, 10.1181,
8.6199

■ 20.1695, 11.0732,
10.9727

■ 21.3048, 12.5671,
13.7450

■ 22.7962, 14.6681,
16.9611

■ 24.6749, 17.4344,
20.6429

■ 26.9682, 20.9171,
24.8103

■ 29.7009, 25.1625,
29.4822

■ 32.8957, 30.2127,
34.6761

■ 36.5737, 36.1069,
40.4087

Harmonies

Analogous

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



18.3902, 9.5562, 19.0100



18.7847, 9.5562, 6.6488



16.0756, 9.5562, 1.6141

Triad

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



18.7847, 9.5562, 6.6488



4.9156, 9.5562, 1.1219



6.8673, 9.5562, 47.8302

Complementary

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



18.7847, 9.5562, 6.6488



17.8817, 31.6805, 18.5454

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.



4.4847, 9.5562, 32.5611



18.7847, 9.5562, 6.6488



3.6052, 9.5562, 4.8906

Square

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



18.7847, 9.5562, 6.6488



7.6537, 9.5562, 0.0839



3.4746, 9.5562, 15.3620



10.6798, 9.5562, 49.7945

Rectangle

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



18.7847, 9.5562, 6.6488



13.2340, 9.5562, 0.5388



3.4746, 9.5562, 15.3620



5.9056, 9.5562, 43.7491

Sweetspot

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



18.7849, 9.5568, 6.6489



52.9104, 44.6217, 52.3297



13.5653, 6.0998, 41.0196



11.2927, 9.1885, 10.8422



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.



18.7849, 9.5568, 6.6489



33.5406, 17.0739, 11.3702



17.8880, 9.5314, 0.8978



8.1330, 8.0664, 9.0110



13.4806, 6.8548, 4.9103



0.4025, 0.2017, 0.2813

Inverse Universe

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



18.7849, 9.5568, 6.6489



33.5406, 17.0739, 11.3702



19.8804, 27.3797, 44.7942



8.1330, 8.0664, 9.0110



13.4806, 6.8548, 4.9103



0.4025, 0.2017, 0.2813

Previews

White Background



This preview shows how the XYZ color 18.7847, 9.5562, 6.6488 looks on a white background.

Color Contrast Check

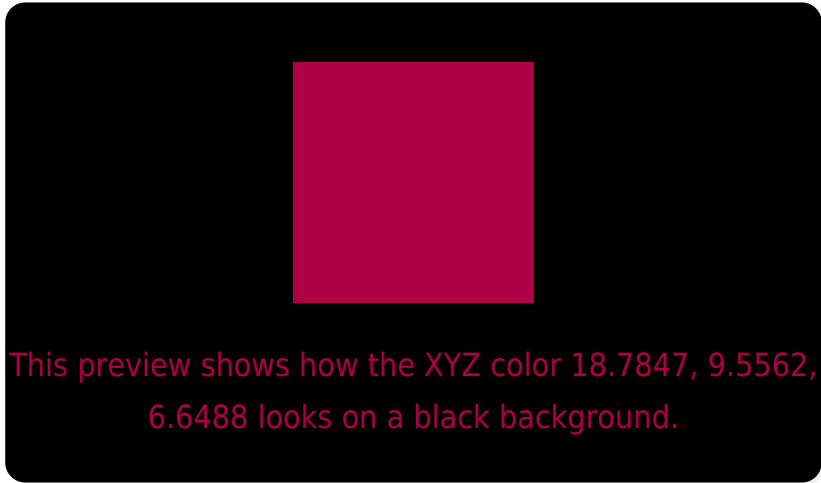
Large Text (above 18pt) WCAG AA ✓ Pass

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

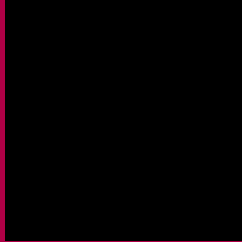
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7847, 9.5562, 6.6488

Background



This preview shows how black text looks on a background with the XYZ color 18.7847, 9.5562, 6.6488.



This preview shows how white text looks on a background with the XYZ color 18.7847, 9.5562,

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

18.7847, 9.5562, 6.6488

Protanopia

9.9952, 10.1788, 14.0083

Deuteranopia

10.2884, 10.1403, 6.1176



Tritanopia

17.8353, 9.7893, 1.9268

Trichromacy



Original Color

18.7847, 9.5562, 6.6488

Protanomaly

11.0543, 7.6575, 10.5683

Deuteranomaly

11.8653, 8.0313, 6.0791

Tritanomaly

18.0898, 9.5985, 3.0897

Monochromacy



Original Color

18.7847, 9.5562, 6.6488

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.0980, 4.5812, 5.3606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7847, 9.5562, 6.6488 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(175, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 18.7847, 9.5562, 6.6488 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(175, 0, 70) }
```


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

```
.border{ border-color:rgb(175, 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(175, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(175, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7847, 9.5562, 6.6488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 70) }
```

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

```
.background{ background-color: rgb(175, 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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