

Converting Colors

XYZ(18.9492, 9.6220, 7.5151)

Have a look what the booklet for
XYZ(18.9492, 9.6220, 7.5151)
contains.

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Color

**XYZ(18.9492, 9.6220,
7.5151)**

Conversions

Conversions Part 1

Format	Color
Hex	AF004B
RGB	175, 0, 75
RGB Percent	69%, 0%, 29%
CMY	0.3137, 0.9999, 0.7059
CMYK	0.00, 1.00, 0.57, 0.31
HSL	334°, 100%, 34%
HSV	334°, 100%, 69%
XYZ	18.9492, 9.6220, 7.5151
YIQ	60.8750, 80.2250, 60.4250

Conversions

Conversions Part 2

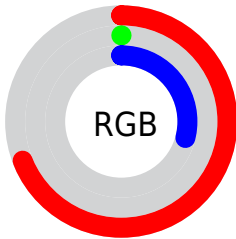
Format	Color
RYB	175, 0, 75
Decimal	11468875
CIELab	37.16, 62.98, 9.61
CIELCh	37, 63.704, 8.674
Yxy	9.6220, 0.5251, 0.2666
Android (android.graphics.Color)	4289658955 (0xFFAF004B)
YUV	60.8750, 6.9636, 100.0876
Hunter-Lab	31.0193, 54.7588, 7.3493

Details

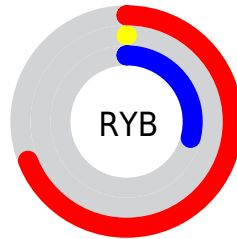
The XYZ color **18.9492, 9.6220, 7.5151** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **17.6320, 31.5807, 17.2307**, and the grayscale version is **4.4027, 4.6320, 5.0442**.

A 20% lighter version of the original color is **41.0359, 25.0002, 21.4016**, and **7.3309, 3.7491, 1.7038** is the 20% darker color. If you saturate the color by 10%, you get **18.9485, 9.6217, 7.5119**, and if you desaturate by 10%, it is **19.5276, 10.1874, 9.5319**.

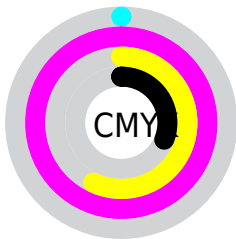
Distribution



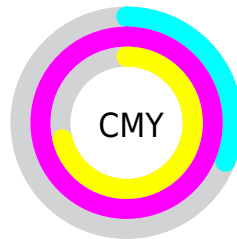
- Red (69%)
- Green (0%)
- Blue (29%)



- Red (69%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9492, 9.6220, 7.5151 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 18.9492, 9.6220, 7.5151 by changing the saturation by 10% instead.


 18.9492, 9.6220,
7.5151

 18.9492, 9.6220,
7.5151


239.1117,
187.9525, 181.6679


 11.7374, 5.1491,
3.7030


 41.1658, 25.0821,
21.5325


 6.6360, 2.3350,
1.4639


 56.9012, 36.8380,
32.5748


 3.2798, 0.7921,
0.1908

 76.2086, 51.7903,
46.8643

 1.3034, 0.0000,
0.0000

 99.4532, 70.3235,
64.8194

 0.1858, 0.0000,
0.0000

 127.0005, 92.8219,
86.8588

 0.0000, 0.0000,
0.0000

 159.2158,

119.6700, 113.4010

196.4644,
151.2520, 144.8645

■ 18.9492, 9.6220,
7.5151

■ 18.9492, 9.6220,
7.5151

■ 18.9485, 9.6217,
7.5119

■ 19.5276, 10.1874,
9.5319

■ 20.3468, 11.1441,
11.9060

■ 21.4810, 12.6376,
14.6732

■ 22.9661, 14.7361,
17.8557

■ 24.8327, 17.4975,
21.4735

■ 27.1077, 20.9729,
25.5450

■ 29.8158, 25.2084,
30.0872

■ 32.9792, 30.2461,
35.1164

■ 36.6190, 36.1250,
40.6476

Harmonies

Analogous

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



18.2509, 9.6220, 20.5994



18.9492, 9.6220, 7.5151



16.4873, 9.6220, 1.8960

Triad

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



18.9492, 9.6220, 7.5151



5.1588, 9.6220, 1.0021



6.6423, 9.6220, 46.8497

Complementary

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



18.9492, 9.6220, 7.5151



17.6320, 31.5807, 17.2307

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.



4.3891, 9.6220, 30.9175



18.9492, 9.6220, 7.5151



3.7210, 9.6220, 4.3708

Square

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



18.9492, 9.6220, 7.5151



8.0425, 9.6220, 0.0759



3.4871, 9.6220, 14.1292



10.3449, 9.6220, 50.3136

Rectangle

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



18.9492, 9.6220, 7.5151



13.7123, 9.6220, 0.6742



3.4871, 9.6220, 14.1292



5.7251, 9.6220, 42.4136

Sweetspot

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



18.9494, 9.6226, 7.5152



53.1189, 44.7051, 53.4274



12.9034, 5.7586, 40.9886



11.3433, 9.2088, 11.1089



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.



18.9494, 9.6226, 7.5152



33.8317, 17.1903, 12.9034



17.8071, 9.3696, 0.8709



8.1423, 8.0702, 9.0604



13.5993, 6.9023, 5.5355



0.4061, 0.2031, 0.3002

Inverse Universe

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



18.9494, 9.6226, 7.5152



33.8317, 17.1903, 12.9034



20.8950, 29.4088, 45.1324



8.1423, 8.0702, 9.0604



13.5993, 6.9023, 5.5355



0.4061, 0.2031, 0.3002

Previews

White Background



This preview shows how the XYZ color 18.9492, 9.6220, 7.5151 looks on a white background.

Color Contrast Check

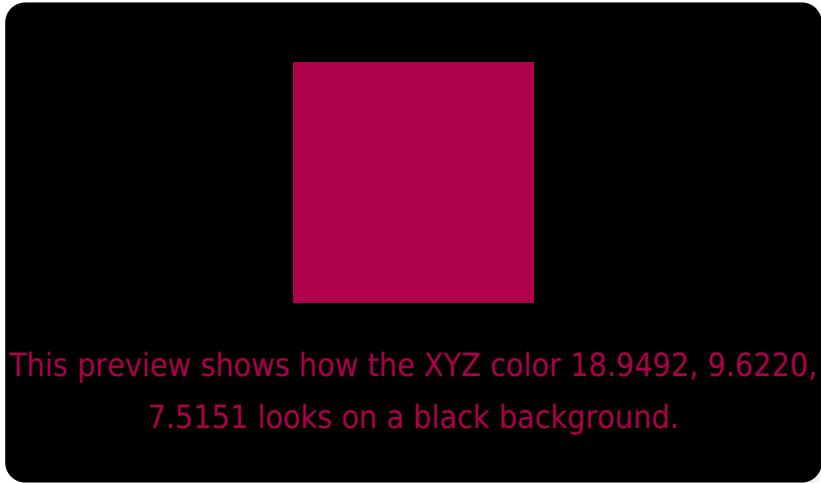
Large Text (above 18pt) WCAG AA ✓ Pass

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

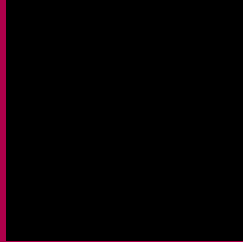
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9492, 9.6220, 7.5151

Background



This preview shows how black text looks on a background with the XYZ color 18.9492, 9.6220, 7.5151.



This preview shows how white text looks on a background with the XYZ color 18.9492, 9.6220,

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

18.9492, 9.6220, 7.5151

Protanopia

10.1704, 10.2273, 15.9060

Deuteranopia

10.3954, 10.2979, 6.9086



Tritanopia

17.9196, 9.9015, 2.1291

Trichromacy



Original Color

18.9492, 9.6220, 7.5151

Protanomaly

11.0920, 7.6409, 12.1995

Deuteranomaly

11.8636, 8.0126, 6.8825

Tritanomaly

18.1816, 9.6617, 3.4914

Monochromacy



Original Color

18.9492, 9.6220, 7.5151

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.1884, 4.6692, 5.6766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9492, 9.6220, 7.5151 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 75) }
```

Border

The CSS property to change the border of an element to XYZ 18.9492, 9.6220, 7.5151 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, 75) }
```


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

```
.border{ border-color:rgb(175, 0, 75) }
```

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, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(175, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9492, 9.6220, 7.5151 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, 75) }
```

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

```
.background{ background-color: rgb(175, 0,  
75) }
```

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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