

Converting Colors

XYZ(18.8472, 9.4752, 11.7654)

Have a look what the booklet for
XYZ(18.8472, 9.4752, 11.7654)
contains.

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Color

**XYZ(18.8601, 9.4842,
11.6631)**

Conversions

Conversions Part 1

Format	Color
Hex	AB005F
RGB	171, 0, 95
RGB Percent	67%, 0%, 37%
CMY	0.3294, 0.9999, 0.6274
CMYK	0.00, 1.00, 0.44, 0.33
HSL	327°, 100%, 34%
HSV	327°, 100%, 67%
XYZ	18.8601, 9.4842, 11.6631
YIQ	61.9590, 71.4210, 65.7970

Conversions

Conversions Part 2

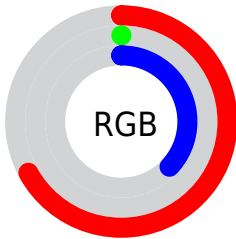
Format	Color
R_{YB}	171, 0, 95
Decimal	11206751
CIE Lab	36.90, 63.62, -3.78
CIE LCh	37, 63.728, 356.603
Yxy	9.4842, 0.4714, 0.2371
Android (android.graphics.Color)	4289396831 (0xFFAB005F)
YUV	61.9590, 16.2892, 95.6290
Hunter-Lab	30.7964, 55.4218, -0.8966

Details

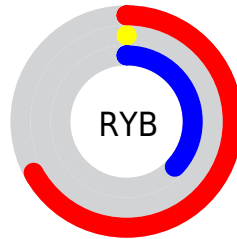
The XYZ color **18.8601, 9.4842, 11.6631** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.8687, 29.6480, 11.7292**, and the grayscale version is **4.5453, 4.7820, 5.2076**.

A 20% lighter version of the original color is **40.9345, 24.7706, 29.4118**, and **7.2365, 3.6665, 3.2320** is the 20% darker color. If you saturate the color by 10%, you get **18.8594, 9.4838, 11.6599**, and if you desaturate by 10%, it is **19.4252, 10.0341, 13.6403**.

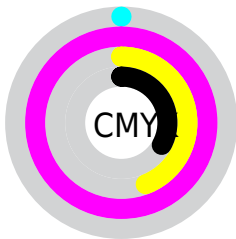
Distribution



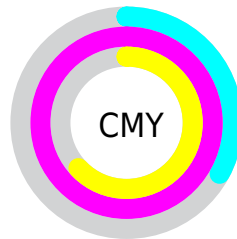
- Red (67%)
- Green (0%)
- Blue (37%)



- Red (67%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (33%)




- Cyan (33%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8601, 9.4842, 11.6631 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 18.8601, 9.4842, 11.6631 by changing the saturation by 10% instead.


 18.8601, 9.4842,
11.6631


 18.8601, 9.4842,
11.6631


238.6283,
186.9500, 213.0601


 11.6726, 5.0583,
6.3950


 41.0163, 24.8207,
29.5352


 6.5918, 2.2815,
3.0141


 56.7157, 36.5001,
42.9762


 3.2522, 0.7639,
1.1018

 75.9831, 51.3662,
59.9786

 1.2885, 0.0000,
0.0000

 99.1840, 69.8033,
80.9609

 0.1746, 0.0000,
0.0000

 126.6836, 92.1959,
106.3417

 0.0000, 0.0000,
0.0000

 158.8472,

118.9282, 136.5394

196.0404,
150.3848, 171.9727

■ 18.8601, 9.4842,
11.6631

■ 18.8601, 9.4842,
11.6631

■ 18.8594, 9.4838,
11.6599

■ 19.4252, 10.0341,
13.6403

■ 20.1986, 10.9454,
15.8579

■ 21.2512, 12.3578,
18.3438

■ 22.6153, 14.3354,
21.1132

■ 24.3190, 16.9323,
24.1792

■ 26.3866, 20.1964,
27.5542

■ 28.8404, 24.1708,
31.2492

■ 31.7007, 28.8948,
35.2749

■ 34.9863, 34.4051,
39.6410

Harmonies

Analogous

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



16.9115, 9.4842, 27.4113



18.8601, 9.4842, 11.6631



17.6019, 9.4842, 3.3500

Triad

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



18.8601, 9.4842, 11.6631



6.0358, 9.4842, 0.4643



5.4613, 9.4842, 40.9904

Complementary

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



18.8601, 9.4842, 11.6631



15.8687, 29.6480, 11.7292

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.



3.8046, 9.4842, 23.3692



18.8601, 9.4842, 11.6631



4.0621, 9.4842, 2.4068

Square

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



18.8601, 9.4842, 11.6631



9.4697, 9.4842, 0.0004



3.3788, 9.4842, 9.0965



8.5740, 9.4842, 50.5100

Rectangle

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



18.8601, 9.4842, 11.6631



15.2682, 9.4842, 1.2322



3.3788, 9.4842, 9.0965



4.7549, 9.4842, 35.3914

Sweetspot

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



18.8604, 9.4848, 11.6632



51.3926, 42.8645, 55.5882



10.1840, 4.4014, 38.8406



11.0439, 8.8804, 11.7794



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.



18.8604, 9.4848, 11.6632



33.6680, 16.9418, 20.3111



16.8577, 8.6837, 1.1174



8.1844, 8.0870, 9.2821



14.2442, 7.1602, 8.9312



0.4232, 0.2100, 0.3905

Inverse Universe

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



18.8604, 9.4848, 11.6632



33.6680, 16.9418, 20.3111



20.8735, 31.6499, 38.0841



8.1844, 8.0870, 9.2821



14.2442, 7.1602, 8.9312



0.4232, 0.2100, 0.3905

Previews

White Background



This preview shows how the XYZ color 18.8601, 9.4842, 11.6631 looks on a white background.

Color Contrast Check

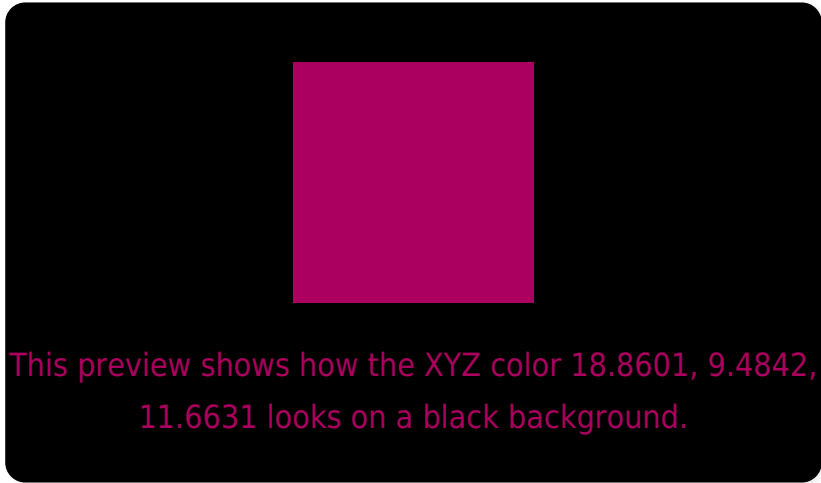
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8601, 9.4842, 11.6631

Background



This preview shows how black text looks on a background with the XYZ color 18.8601, 9.4842, 11.6631.



This preview shows how white text looks on a background with the XYZ color 18.8601, 9.4842,

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

18.8601, 9.4842, 11.6631

Protanopia

10.7527, 10.2021, 25.0694

Deuteranopia

10.3152, 10.1736, 10.6526



Tritanopia

17.1914, 9.8510, 2.8291

Trichromacy



Original Color

18.8601, 9.4842, 11.6631

Protanomaly

11.2337, 7.4847, 19.2650

Deuteranomaly

11.7120, 7.8477, 10.7950

Tritanomaly

17.4782, 9.4041, 5.0316

Monochromacy



Original Color

18.8601, 9.4842, 11.6631

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.4410, 4.7702, 7.0071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8601, 9.4842, 11.6631 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, 0, 95)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 95)  
}
```

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, 0, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 95) }
```

Border

The CSS property to change the border of an element to XYZ 18.8601, 9.4842, 11.6631 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, 0, 95) }
```


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

```
.border{ border-color:rgb(171, 0, 95) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 95);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8601, 9.4842, 11.6631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 95) }
```

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

```
.background{ background-color: rgb(171, 0,  
95) }
```

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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