

Converting Colors

XYZ(16.9997, 6.5945, 15.9817)

Have a look what the booklet for
XYZ(16.9997, 6.5945, 15.9817)
contains.

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Color

**XYZ(18.2905, 9.0848,
16.4123)**

Conversions

Conversions Part 1

Format	Color
Hex	A40071
RGB	164, 0, 113
RGB Percent	64%, 0%, 44%
CMY	0.3569, 0.9999, 0.5569
CMYK	0.00, 1.00, 0.31, 0.36
HSL	319°, 100%, 32%
HSV	319°, 100%, 64%
XYZ	18.2905, 9.0848, 16.4123
YIQ	61.9180, 61.4710, 69.9110

Conversions

Conversions Part 2

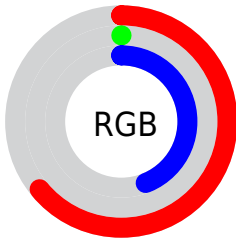
Format	Color
RYB	164, 0, 113
Decimal	10748017
CIELab	36.15, 63.90, -16.53
CIELCh	36, 66.000, 345.496
Yxy	9.0848, 0.4177, 0.2075
Android (android.graphics.Color)	4288938097 (0xFFA40071)
YUV	61.9180, 25.1834, 89.5259
Hunter-Lab	30.1410, 55.5726, -11.1857

Details

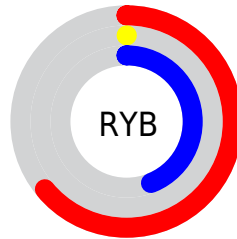
The XYZ color **18.2905, 9.0848, 16.4123** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.8738, 26.7904, 7.5745**, and the grayscale version is **4.5274, 4.7632, 5.1871**.

A 20% lighter version of the original color is **40.0189, 23.9966, 38.1199**, and **7.0175, 3.5075, 5.3082** is the 20% darker color. If you saturate the color by 10%, you get **18.2901, 9.0846, 16.4102**, and if you desaturate by 10%, it is **18.7775, 9.5862, 18.0316**.

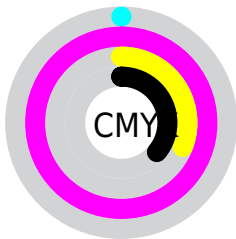
Distribution



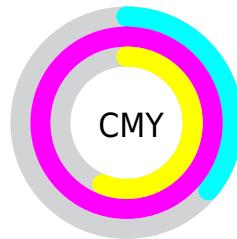
- Red (64%)
- Green (0%)
- Blue (44%)



- Red (64%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (36%)



- Cyan (36%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2905, 9.0848, 16.4123 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 18.2905, 9.0848, 16.4123 by changing the saturation by 10% instead.


 18.2905, 9.0848,
16.4123

 18.2905, 9.0848,
16.4123


235.5174,
184.0092, 243.6907


 11.2597, 4.7965,
9.6589


 40.0579, 24.0592,
38.0892


 6.3104, 2.1284,
5.0707


 55.5253, 35.5142,
53.8498

 3.0772, 0.6805,
2.2294

 74.5355, 50.1268,
73.4498

 1.1947, 0.0000,
0.6912

 97.4540, 68.2816,
97.3078

 0.1022, 0.0000,
0.0000

 124.6460, 90.3628,
125.8424

 0.0000, 0.0000,
0.0000

 156.4771,

116.7549, 159.4720

193.3124,
147.8422, 198.6153

■ 18.2905, 9.0848,
16.4123

■ 18.2905, 9.0848,
16.4123

■ 18.2901, 9.0846,
16.4102

■ 18.7775, 9.5862,
18.0316

■ 19.4366, 10.4056,
19.7892

■ 20.3338, 11.6744,
21.7083

■ 21.4977, 13.4497,
23.7996

■ 22.9530, 15.7803,
26.0726

■ 24.7212, 18.7089,
28.5356

■ 26.8218, 22.2743,
31.1963

■ 29.2728, 26.5119,
34.0617

■ 32.0908, 31.4544,
37.1384

Harmonies

Analogous

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



15.2750, 9.0848, 34.3667



18.2905, 9.0848, 16.4123



18.2344, 9.0848, 5.1387

Triad

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



18.2905, 9.0848, 16.4123



6.7579, 9.0848, 0.0000



4.3252, 9.0848, 34.9815

Complementary

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



18.2905, 9.0848, 16.4123



13.8738, 26.7904, 7.5745

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.



3.1834, 9.0848, 16.9277



18.2905, 9.0848, 16.4123



4.2667, 9.0848, 1.1316

Square

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



18.2905, 9.0848, 16.4123



10.6834, 9.0848, 0.0000



3.1659, 9.0848, 5.3775



6.8664, 9.0848, 49.5203

Rectangle

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



18.2905, 9.0848, 16.4123



16.4261, 9.0848, 1.8684



3.1659, 9.0848, 5.3775



3.8045, 9.0848, 28.6978

Sweetspot

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



18.2908, 9.0853, 16.4125



48.4484, 40.0245, 56.3369



7.9782, 3.3392, 35.3461



10.2461, 8.1606, 11.8874



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.



18.2908, 9.0853, 16.4125



33.1020, 16.4511, 29.2735



15.5821, 8.0018, 2.1488



7.2701, 7.1645, 8.4087



14.0460, 6.9745, 12.6989



0.3149, 0.1544, 0.3707

Inverse Universe

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



18.2908, 9.0853, 16.4125



33.1020, 16.4511, 29.2735



17.3864, 28.1954, 26.0715



7.2701, 7.1645, 8.4087



14.0460, 6.9745, 12.6989



0.3149, 0.1544, 0.3707

Previews

White Background



This preview shows how the XYZ color 18.2905, 9.0848, 16.4123 looks on a white background.

Color Contrast Check

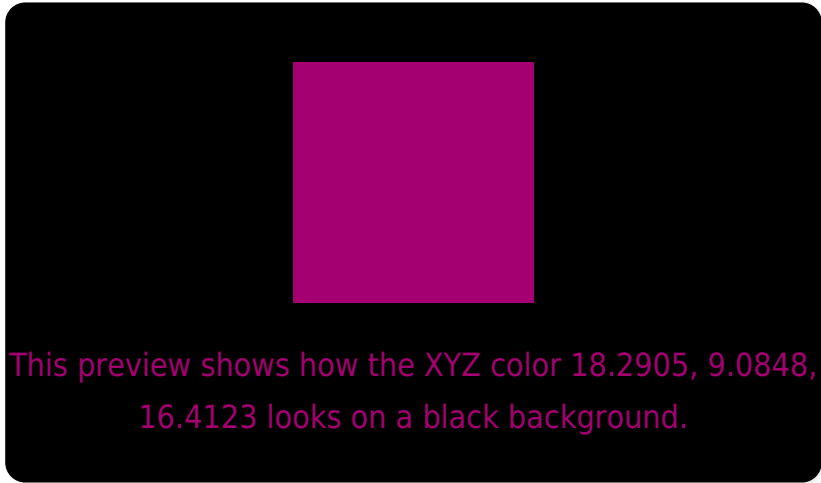
Large Text (above 18pt) WCAG AA ✓ Pass

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

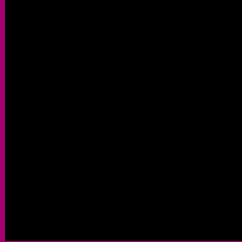
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2905, 9.0848, 16.4123

Background



This preview shows how black text looks on a background with the XYZ color 18.2905, 9.0848, 16.4123.



This preview shows how white text looks on a background with the XYZ color 18.2905, 9.0848,

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

18.2905, 9.0848, 16.4123

Protanopia

10.9969, 9.7483, 35.0202

Deuteranopia

9.9021, 9.7502, 14.7247



Tritanopia

15.7496, 9.4529, 3.6838

Trichromacy



Original Color

18.2905, 9.0848, 16.4123



Protanomaly

10.6676, 6.8761, 27.1505



Deuteranomaly

11.2754, 7.5281, 15.0461



Tritanomaly

16.2746, 8.9107, 6.8234

Monochromacy



Original Color

18.2905, 9.0848, 16.4123



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

7.3563, 4.6978, 8.3036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2905, 9.0848, 16.4123 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(164, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 113)  
}
```

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(164, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.2905, 9.0848, 16.4123 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(164, 0, 113) }
```


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

```
.border{ border-color:rgb(164, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(164, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(164, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2905, 9.0848, 16.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 113) }
```

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

```
.background{ background-color: rgb(164, 0,  
113) }
```

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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