

Converting Colors

XYZ(18.6466, 9.2692, 16.3893)

Have a look what the booklet for
XYZ(18.6466, 9.2692, 16.3893)
contains.

XYZ(18.7065, 9.2992, 16.4318)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.7065, 9.2992,
16.4318)**

Conversions

Conversions Part 1

Format	Color
Hex	A60071
RGB	166, 0, 113
RGB Percent	65%, 0%, 44%
CMY	0.3490, 0.9999, 0.5569
CMYK	0.00, 1.00, 0.32, 0.35
HSL	319°, 100%, 33%
HSV	319°, 100%, 65%
XYZ	18.7065, 9.2992, 16.4318
YIQ	62.5160, 62.6630, 70.3350

Conversions

Conversions Part 2

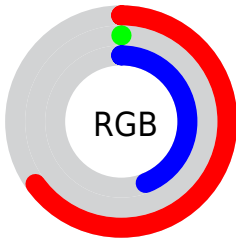
Format	Color
RYB	166, 0, 113
Decimal	10879089
CIELab	36.55, 64.31, -15.87
CIELCh	37, 66.243, 346.138
Yxy	9.2992, 0.4210, 0.2093
Android (android.graphics.Color)	4289069169 (0xFFA60071)
YUV	62.5160, 24.8886, 90.7555
Hunter-Lab	30.4946, 56.1329, -10.6018

Details

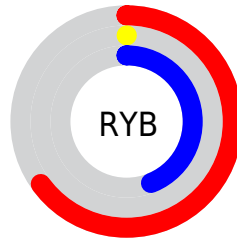
The XYZ color **18.7065, 9.2992, 16.4318** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.2796, 27.5298, 7.9318**, and the grayscale version is **4.6138, 4.8541, 5.2861**.

A 20% lighter version of the original color is **40.7115, 24.4615, 38.1731**, and **7.2608, 3.6329, 5.3196** is the 20% darker color. If you saturate the color by 10%, you get **18.7062, 9.2991, 16.4299**, and if you desaturate by 10%, it is **19.2085, 9.8114, 18.1149**.

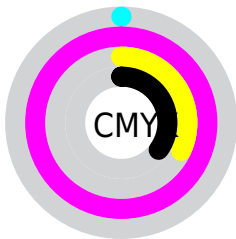
Distribution



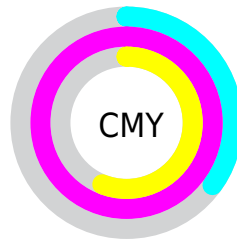
- Red (65%)
- Green (0%)
- Blue (44%)



- Red (65%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (35%)



- Cyan (35%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7065, 9.2992, 16.4318 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 18.7065, 9.2992, 16.4318 by changing the saturation by 10% instead.

■ 18.7065, 9.2992,
16.4318

■ 18.7065, 9.2992,
16.4318

237.7930,
185.5945, 243.8085

■ 11.5611, 4.9369,
9.6726

■ 40.7583, 24.4687,
38.1234

■ 6.5157, 2.2103,
5.0797

■ 56.3954, 36.0447,
53.8928

■ 3.2047, 0.7256,
2.2345

■ 75.5938, 50.7941,
73.5027

■ 1.2629, 0.0000,
0.6942

■ 98.7189, 69.1011,
97.3717

■ 0.1552, 0.0000,
0.0000

■ 126.1360, 91.3503,
125.9182

■ 0.0000, 0.0000,
0.0000

■ 158.2105,

117.9260, 159.5608

195.3077,
149.2126, 198.7180

■ 18.7065, 9.2992,
16.4318

■ 18.7065, 9.2992,
16.4318

■ 18.7062, 9.2991,
16.4299

■ 19.2085, 9.8114,
18.1149

■ 19.8889, 10.6522,
19.9448

■ 20.8148, 11.9553,
21.9454

■ 22.0160, 13.7797,
24.1279

■ 23.5178, 16.1755,
26.5021

■ 25.3425, 19.1871,
29.0767

■ 27.5103, 22.8542,
31.8598

■ 30.0394, 27.2133,
34.8586

■ 32.9472, 32.2982,
38.0802

Harmonies

Analogous

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



15.6911, 9.2992, 34.6242



18.7065, 9.2992, 16.4318



18.5754, 9.2992, 5.1220

Triad

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



18.7065, 9.2992, 16.4318



6.8537, 9.2992, 0.0000



4.4809, 9.2992, 36.0599

Complementary

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



18.7065, 9.2992, 16.4318



14.2796, 27.5298, 7.9318

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.



3.2865, 9.2992, 17.6372



18.7065, 9.2992, 16.4318



4.3438, 9.2992, 1.2164

Square

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



18.7065, 9.2992, 16.4318



10.8295, 9.2992, 0.0000



3.2455, 9.2992, 5.6824



7.1080, 9.2992, 50.6094

Rectangle

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



18.7065, 9.2992, 16.4318



16.6961, 9.2992, 1.8639



3.2455, 9.2992, 5.6824



3.9390, 9.2992, 29.6795

Sweetspot

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



18.7068, 9.2997, 16.4320



49.6869, 41.0656, 57.5242



8.3294, 3.4992, 36.3129



10.7479, 8.5589, 12.4059



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.7068, 9.2997, 16.4320



33.8498, 16.8370, 29.2916



15.9663, 8.2035, 2.0006



7.7384, 7.6252, 8.9399



14.5276, 7.2198, 12.8560



0.3752, 0.1844, 0.4272

Inverse Universe

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



18.7068, 9.2997, 16.4320



33.8498, 16.8370, 29.2916



18.0500, 29.0380, 27.7864



7.7384, 7.6252, 8.9399



14.5276, 7.2198, 12.8560



0.3752, 0.1844, 0.4272

Previews

White Background



This preview shows how the XYZ color 18.7065, 9.2992, 16.4318 looks on a white background.

Color Contrast Check

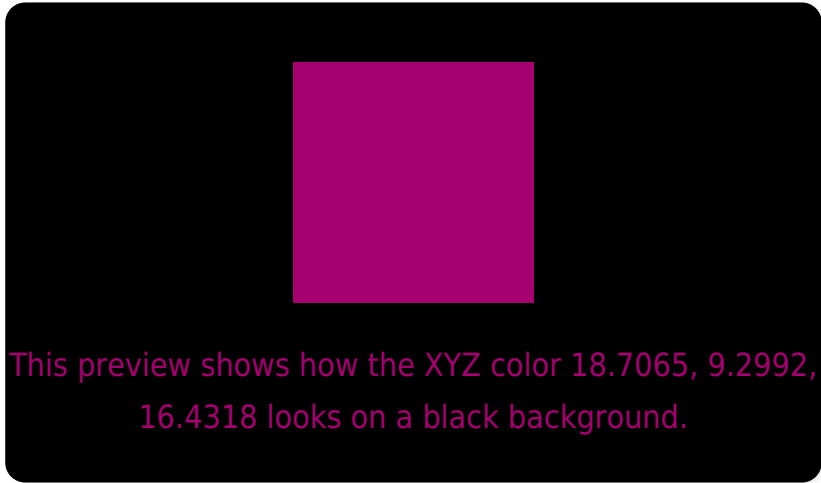
Large Text (above 18pt) WCAG AA ✓ Pass

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

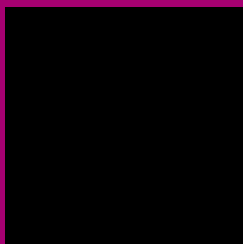
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7065, 9.2992, 16.4318

Background



This preview shows how black text looks on a background with the XYZ color 18.7065, 9.2992, 16.4318.



This preview shows how white text looks on a background with the XYZ color 18.7065, 9.2992,

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

18.7065, 9.2992, 16.4318

Protanopia

11.1770, 9.9589, 35.0514

Deuteranopia

10.0778, 9.9602, 14.7559



Tritanopia

16.3318, 9.7554, 3.6070

Trichromacy



Original Color

18.7065, 9.2992, 16.4318

Protanomaly

10.9144, 7.0731, 27.1756

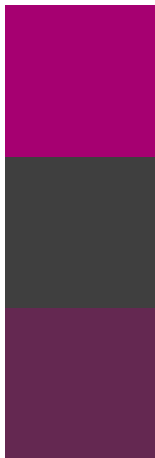
Deuteranomaly

11.4091, 7.5970, 15.0524

Tritanomaly

16.6491, 9.1075, 6.6748

Monochromacy



Original Color

18.7065, 9.2992, 16.4318

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.4995, 4.8210, 8.3199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7065, 9.2992, 16.4318 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(166, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.7065, 9.2992, 16.4318 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(166, 0, 113) }
```


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

```
.border{ border-color:rgb(166, 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(166, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7065, 9.2992, 16.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 113) }
```

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

```
.background{ background-color: rgb(166, 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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