

Converting Colors

XYZ(16.8153, 8.2999, 17.4458)

Have a look what the booklet for
XYZ(16.8153, 8.2999, 17.4458)
contains.

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Color

**XYZ(16.9212, 8.3523,
17.5499)**

Conversions

Conversions Part 1

Format	Color
Hex	9C0075
RGB	156, 0, 117
RGB Percent	61%, 0%, 46%
CMY	0.3882, 0.9999, 0.5412
CMYK	0.00, 1.00, 0.25, 0.39
HSL	315°, 100%, 31%
HSV	315°, 100%, 61%
XYZ	16.9212, 8.3523, 17.5499
YIQ	59.9820, 55.4190, 69.4590

Conversions

Conversions Part 2

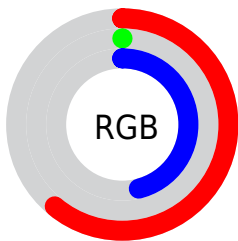
Format	Color
RYB	156, 0, 117
Decimal	10223733
CIELab	34.71, 62.72, -21.42
CIElCh	35, 66.273, 341.144
Yxy	8.3523, 0.3951, 0.1950
Android (android.graphics.Color)	4288413813 (0xFF9C0075)
YUV	59.9820, 28.1099, 84.2078
Hunter-Lab	28.9003, 53.9364, -15.7739

Details

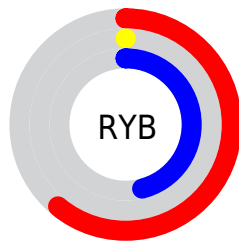
The XYZ color **16.9212, 8.3523, 17.5499** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.2553, 23.9238, 5.8931**, and the grayscale version is **4.2508, 4.4722, 4.8702**.

A 20% lighter version of the original color is **37.6174, 22.6095, 39.9175**, and **6.2989, 3.1267, 5.7404** is the 20% darker color. If you saturate the color by 10%, you get **16.9210, 8.3522, 17.5484**, and if you desaturate by 10%, it is **17.3352, 8.8054, 18.8432**.

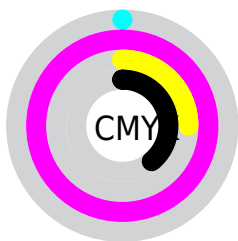
Distribution



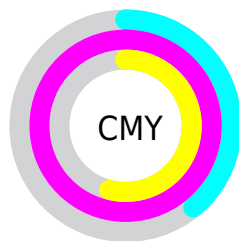
- Red (61%)
- Green (0%)
- Blue (46%)



- Red (61%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9212, 8.3523, 17.5499 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 16.9212, 8.3523, 17.5499 by changing the saturation by 10% instead.

■ 16.9212, 8.3523,
17.5499

■ 16.9212, 8.3523,
17.5499

227.8830,
178.4697, 250.4720

■ 10.2733, 4.3212,
10.4612

■ 37.7349, 22.6462,
40.0724

■ 5.6442, 1.8548,
5.5962

■ 52.6314, 33.6779,
56.3433

■ 2.6685, 0.5210,
2.5364

■ 71.0082, 47.8118,
76.5120

■ 0.9810, 0.0000,
0.8593

■ 93.2305, 65.4324,
100.9971

■ 0.0000, 0.0000,
0.0000

■ 119.6638, 86.9241,
130.2171

■ 150.6734,

112.6713, 164.5906

186.6247,
143.0584, 204.5360

16.9212, 8.3523,
17.5499

16.9212, 8.3523,
17.5499

16.9210, 8.3522,
17.5484

17.3352, 8.8054,
18.8432

17.8951, 9.5351,
20.2328

18.6624, 10.6637,
21.7398

19.6621, 12.2416,
23.3730

20.9160, 14.3115,
25.1403

■ 22.4428, 16.9114,
27.0485

■ 24.2599, 20.0753,
29.1037

■ 26.3828, 23.8344,
31.3118

■ 28.8261, 28.2177,
33.6781

Harmonies

Analogous

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



13.7010, 8.3523, 35.2520



16.9212, 8.3523, 17.5499



17.3410, 8.3523, 5.6540

Triad

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



16.9212, 8.3523, 17.5499



6.6231, 8.3523, 0.0000



3.6476, 8.3523, 30.6175

Complementary

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



16.9212, 8.3523, 17.5499



12.2553, 23.9238, 5.8931

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.



2.7521, 8.3523, 13.7058



16.9212, 8.3523, 17.5499



4.0721, 8.3523, 0.6943

Square

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



16.9212, 8.3523, 17.5499



10.5088, 8.3523, 0.0000



2.8781, 8.3523, 3.9139



5.8259, 8.3523, 46.0643

Rectangle

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



16.9212, 8.3523, 17.5499



15.8621, 8.3523, 2.0434



2.8781, 8.3523, 3.9139



3.2232, 8.3523, 24.5325

Sweetspot

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



16.9215, 8.3527, 17.5500



43.8468, 36.0833, 52.6262



6.8383, 2.8324, 31.6389



9.3537, 7.4247, 11.2540



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.9215, 8.3527, 17.5500



30.6511, 15.1371, 31.4403



14.0770, 7.2150, 2.5715



6.8332, 6.7262, 7.9729



13.9520, 6.8853, 14.5299



0.2651, 0.1294, 0.3422

Inverse Universe

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



16.9215, 8.3527, 17.5500



30.6511, 15.1371, 31.4403



15.1000, 25.0617, 20.8728



6.8332, 6.7262, 7.9729



13.9520, 6.8853, 14.5299



0.2651, 0.1294, 0.3422

Previews

White Background



This preview shows how the XYZ color 16.9212, 8.3523, 17.5499 looks on a white background.

Color Contrast Check

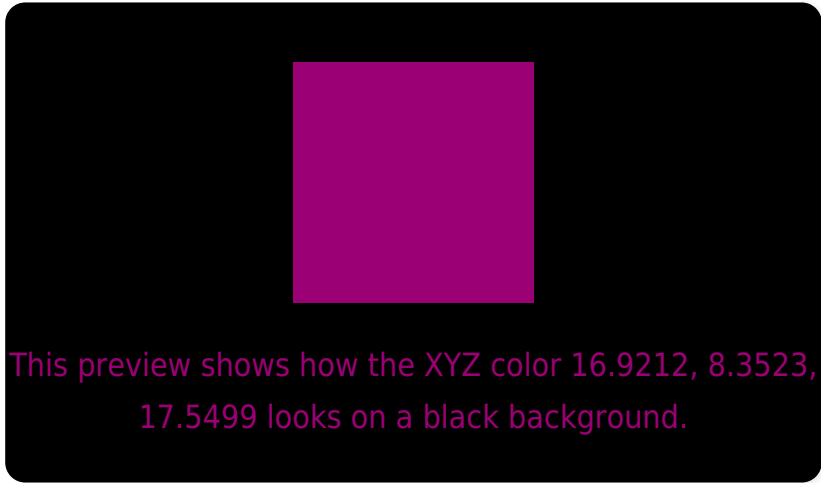
Large Text (above 18pt) WCAG AA ✓ Pass

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

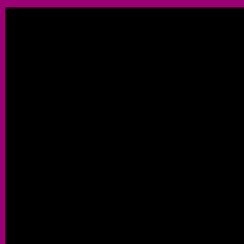
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9212, 8.3523, 17.5499

Background



This preview shows how black text looks on a background with the XYZ color 16.9212, 8.3523, 17.5499.



This preview shows how white text looks on a background with the XYZ color 16.9212, 8.3523,

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

16.9212, 8.3523, 17.5499

Protanopia

10.4959, 9.0948, 37.2787

Deuteranopia

9.0780, 8.9529, 15.7176



Tritanopia

14.2730, 8.7467, 3.7323

Trichromacy



Original Color

16.9212, 8.3523, 17.5499

Protanomaly

9.6339, 6.1719, 28.7005

Deuteranomaly

10.2611, 6.8419, 16.1090

Tritanomaly

14.7788, 8.1321, 7.0940

Monochromacy



Original Color

16.9212, 8.3523, 17.5499

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.8976, 4.4132, 8.2729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9212, 8.3523, 17.5499 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(156, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 117)  
}
```

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(156, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 117) }
```

Border

The CSS property to change the border of an element to XYZ 16.9212, 8.3523, 17.5499 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(156, 0, 117) }
```


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

```
.border{ border-color:rgb(156, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9212, 8.3523, 17.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 117) }
```

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

```
.background{ background-color: rgb(156, 0,  
117) }
```

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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