

Converting Colors

XYZ(16.3446, 9.8576, 17.3190)

Have a look what the booklet for
XYZ(16.3446, 9.8576, 17.3190)
contains.

XYZ(16.3551, 9.8968, 17.2679)	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(16.3551, 9.8968,
17.2679)**

Conversions

Conversions Part 1

Format	Color
Hex	933473
RGB	147, 52, 115
RGB Percent	58%, 20%, 45%
CMY	0.4235, 0.7961, 0.5490
CMYK	0.00, 0.65, 0.22, 0.42
HSL	320°, 48%, 39%
HSV	320°, 65%, 58%
XYZ	16.3551, 9.8968, 17.2679
YIQ	87.5870, 36.3970, 39.7330

Conversions

Conversions Part 2

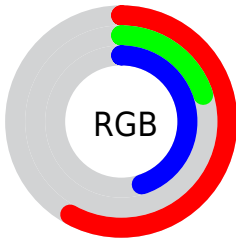
Format	Color
R_{YB}	147, 52, 115
Decimal	9647219
CIE _{Lab}	37.66, 46.83, -15.75
CIE _{LCh}	38, 49.403, 341.414
Yxy	9.8968, 0.3758, 0.2274
Android (android.graphics.Color)	4287837299 (0xFF933473)
YUV	87.5870, 13.5146, 52.1052
Hunter-Lab	31.4592, 37.7456, -10.5228

Details

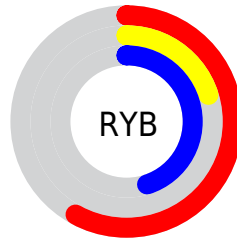
The XYZ color **16.3551, 9.8968, 17.2679** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **13.4506, 22.2379, 11.9719**, and the grayscale version is **9.1524, 9.6291, 10.4861**.

A 20% lighter version of the original color is **36.9285, 25.7305, 39.5794**, and **5.5273, 2.7324, 5.5463** is the 20% darker color. If you saturate the color by 10%, you get **15.5209, 8.6721, 15.6215**, and if you desaturate by 10%, it is **17.4096, 11.5373, 19.0634**.

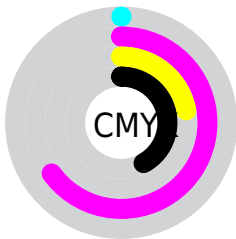
Distribution



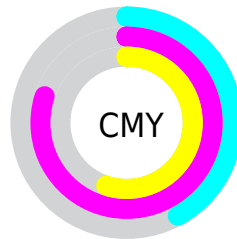
- Red (58%)
- Green (20%)
- Blue (45%)



- Red (58%)
- Yellow (20%)
- Blue (45%)



- Cyan (0%)
- Magenta (65%)
- Yellow (22%)
- Black (42%)





- Cyan (42%)
- Magenta (80%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3551, 9.8968, 17.2679 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 16.3551, 9.8968, 17.2679 by changing the saturation by 10% instead.


 16.3551, 9.8968,
17.2679


 16.3551, 9.8968,
17.2679


224.6575,
189.9339, 248.8075


 9.8682, 5.3306,
10.2617


 36.7661, 25.6012,
39.5828


 5.3733, 2.4425,
5.4650

 51.4209, 37.5082,
55.7285

 2.5049, 0.8476,
2.4591

 69.5290, 52.6309,
75.7579

 0.8977, 0.0000,
0.8184

 91.4559, 71.3537,
100.0893

 0.0000, 0.0000,
0.0000

 117.5668, 94.0610,
129.1415

 148.2271,

121.1372, 163.3329

183.8023,
152.9667, 203.0821

■ 16.3551, 9.8968,
17.2679

■ 16.3551, 9.8968,
17.2679

■ 15.5209, 8.6721,
15.6215

■ 17.4096, 11.5373,
19.0634

■ 14.8861, 7.8222,
14.1159

■ 18.7008, 13.6265,
21.0144

■ 14.4257, 7.2976,
12.7416

■ 20.2447, 16.1958,
23.1275

■ 14.2129, 7.0752,
12.0440

■ 22.0555, 19.2733,
25.4084

■ 24.1463, 22.8848,
27.8626

■ 26.5293, 27.0546,
30.4953

■ 29.2161, 31.8053,
33.3113

■ 32.2176, 37.1583,
36.3153

■ 35.5439, 43.1339,
39.5116

Harmonies

Analogous

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



13.9841, 9.8968, 29.5999



16.3551, 9.8968, 17.2679



16.6389, 9.8968, 7.7078

Triad

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



16.3551, 9.8968, 17.2679



8.2634, 9.8968, 1.1662



5.5715, 9.8968, 26.7050

Complementary

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



16.3551, 9.8968, 17.2679



13.4506, 22.2379, 11.9719

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.



4.6487, 9.8968, 14.5662



16.3551, 9.8968, 17.2679



5.9560, 9.8968, 2.3220

Square

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



16.3551, 9.8968, 17.2679



11.4616, 9.8968, 1.2977



4.7718, 9.8968, 6.1570



7.6132, 9.8968, 36.8193

Rectangle

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



16.3551, 9.8968, 17.2679



15.5458, 9.8968, 4.0499



4.7718, 9.8968, 6.1570



5.1430, 9.8968, 22.5111

Sweetspot

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



16.3554, 9.8973, 17.2681



41.3932, 37.7774, 47.7629



10.1214, 6.4326, 28.3121



9.2287, 8.2436, 10.6426



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.3554, 9.8973, 17.2681



27.1871, 14.6931, 26.6021



14.2993, 9.0749, 6.4408



5.9531, 5.8763, 6.8592



12.3336, 6.1385, 10.5036



0.1647, 0.0806, 0.2011

Inverse Universe

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



16.3554, 9.8973, 17.2681



27.1871, 14.6931, 26.6021



15.9583, 23.2410, 25.1772



5.9531, 5.8763, 6.8592



12.3336, 6.1385, 10.5036



0.1647, 0.0806, 0.2011

Previews

White Background



This preview shows how the XYZ color 16.3551, 9.8968, 17.2679 looks on a white background.

Color Contrast Check

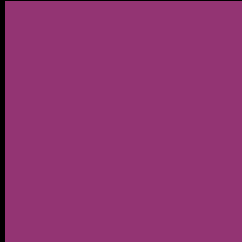
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 16.3551, 9.8968, 17.2679 looks on a 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 16.3551, 9.8968, 17.2679

Background



This preview shows how black text looks on a background with the XYZ color 16.3551, 9.8968, 17.2679.



This preview shows how white text looks on a background with the XYZ color 16.3551, 9.8968,

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

16.3551, 9.8968, 17.2679

Protanopia

10.8265, 10.1977, 26.9889

Deuteranopia

10.3287, 10.1799, 16.1724



Tritanopia

14.2045, 9.9238, 6.6357

Trichromacy



Original Color

16.3551, 9.8968, 17.2679

Protanomaly

11.6107, 9.2395, 23.0012

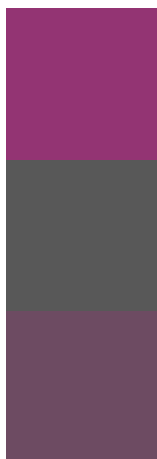
Deuteranomaly

11.7474, 9.4532, 16.5347

Tritanomaly

14.7572, 9.8169, 9.7114

Monochromacy



Original Color

16.3551, 9.8968, 17.2679

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.0274, 9.1652, 12.7431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3551, 9.8968, 17.2679 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(147, 52, 115)` looks like.

```
.text, #text, p{  
    color:rgb(147, 52, 115)  
}
```

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(147, 52, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 52, 115) }
```

Border

The CSS property to change the border of an element to XYZ 16.3551, 9.8968, 17.2679 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(147, 52, 115) }
```


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

```
.border{ border-color:rgb(147, 52, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 52, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 52, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 52, 115);  
box-shadow:4px 4px 4px 4px rgb(147, 52,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3551, 9.8968, 17.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 52, 115) }
```

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

```
.background{ background-color: rgb(147, 52,  
115) }
```

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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