

Converting Colors

XYZ(16.9577, 9.8360, 7.7102)

Have a look what the booklet for
XYZ(16.9577, 9.8360, 7.7102)
contains.

XYZ(16.9983, 9.8453, 7.6610)	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(16.9983, 9.8453,
7.6610)**

Conversions

Conversions Part 1

Format	Color
Hex	A22A4B
RGB	162, 42, 75
RGB Percent	64%, 16%, 29%
CMY	0.3647, 0.8353, 0.7059
CMYK	0.00, 0.74, 0.54, 0.36
HSL	344°, 59%, 40%
HSV	344°, 74%, 64%
XYZ	16.9983, 9.8453, 7.6610
YIQ	81.6420, 60.9270, 35.7030

Conversions

Conversions Part 2

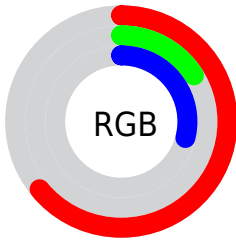
Format	Color
R _Y B	162, 42, 75
Decimal	10627659
CIE Lab	37.56, 50.83, 9.78
CIE LCh	38, 51.760, 10.896
Yxy	9.8453, 0.4926, 0.2853
Android (android.graphics.Color)	4288817739 (0xFFA22A4B)
YUV	81.6420, -3.2745, 70.4740
Hunter-Lab	31.3772, 41.7905, 7.4879

Details

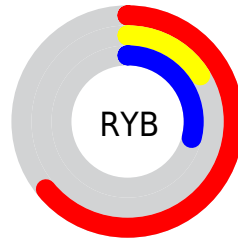
The XYZ color **16.9983, 9.8453, 7.6610** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.8385, 27.9183, 25.2201**, and the grayscale version is **7.9469, 8.3608, 9.1049**.

A 20% lighter version of the original color is **37.6686, 25.3516, 21.6469**, and **5.9696, 3.0473, 1.6401** is the 20% darker color. If you saturate the color by 10%, you get **16.1698, 8.7734, 5.5812**, and if you desaturate by 10%, it is **18.1338, 11.4125, 10.2096**.

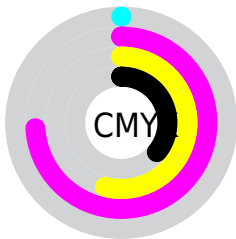
Distribution



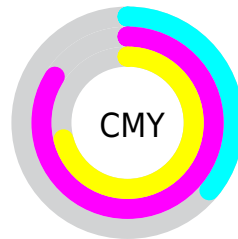
- Red (64%)
- Green (16%)
- Blue (29%)



- Red (64%)
- Yellow (16%)
- Blue (29%)



- Cyan (0%)
- Magenta (74%)
- Yellow (54%)
- Black (36%)




- Cyan (36%)
- Magenta (84%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9983, 9.8453, 7.6610 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 16.9983, 9.8453, 7.6610 by changing the saturation by 10% instead.


 16.9983, 9.8453,
7.6610


 16.9983, 9.8453,
7.6610


228.3190,
189.5644, 182.8825


 10.3286, 5.2965,
3.7942


 37.8665, 25.5041,
21.8262


 5.6813, 2.4223,
1.5131

 52.7956, 37.3829,
32.9617

 2.6911, 0.8373,
0.2277

 71.2086, 52.4739,
47.3571

 0.9926, 0.0000,
0.0000

 93.4709, 71.1613,
65.4311

 0.0000, 0.0000,
0.0000

 119.9477, 93.8297,
87.6020

 151.0044,

120.8634, 114.2886

187.0064,
152.6468, 145.9092

■ 16.9983, 9.8453,
7.6610

■ 16.9983, 9.8453,
7.6610

■ 16.1698, 8.7734,
5.5812

■ 18.1338, 11.4125,
10.2096

■ 15.6134, 8.1335,
3.9381

■ 19.6043, 13.5247,
13.2546

■ 15.3652, 7.8673,
3.1454

■ 21.4354, 16.2276,
16.8222

■ 23.6498, 19.5614,
20.9361

■ 26.2684, 23.5629,
25.6188

■ 29.3105, 28.2658,
30.8913

■ 32.7943, 33.7019,
36.7737

■ 36.7365, 39.9006,
43.2848

■ 41.1534, 46.8901,
50.4428

Harmonies

Analogous

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



16.6535, 9.8453, 17.7674



16.9983, 9.8453, 7.6610



14.9668, 9.8453, 2.7198

Triad

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



16.9983, 9.8453, 7.6610



5.8125, 9.8453, 2.0522



7.4453, 9.8453, 38.3644

Complementary

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



16.9983, 9.8453, 7.6610



17.8385, 27.9183, 25.2201

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.



5.3609, 9.8453, 27.3799



16.9983, 9.8453, 7.6610



4.5815, 9.8453, 5.8366

Square

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



16.9983, 9.8453, 7.6610



8.2177, 9.8453, 0.9744



4.4382, 9.8453, 14.5006



10.5984, 9.8453, 39.9481

Rectangle

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



16.9983, 9.8453, 7.6610



12.7649, 9.8453, 1.4244



4.4382, 9.8453, 14.5006



6.6181, 9.8453, 35.4399

Sweetspot

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



16.9985, 9.8459, 7.6612



48.5462, 44.0967, 48.0143



16.2523, 8.8545, 35.0350



10.6064, 9.4473, 10.2621



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.



16.9985, 9.8459, 7.6612



28.6351, 15.0781, 8.0711



17.3858, 11.9836, 3.5879



7.1501, 7.1165, 7.7767



12.1212, 6.2045, 2.5631



0.2735, 0.1379, 0.1531

Inverse Universe

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



16.9985, 9.8459, 7.6612



28.6351, 15.0781, 8.0711



16.2812, 20.7098, 37.3218



7.1501, 7.1165, 7.7767



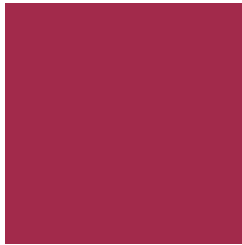
12.1212, 6.2045, 2.5631



0.2735, 0.1379, 0.1531

Previews

White Background



This preview shows how the XYZ color 16.9983, 9.8453, 7.6610 looks on a white background.

Color Contrast Check

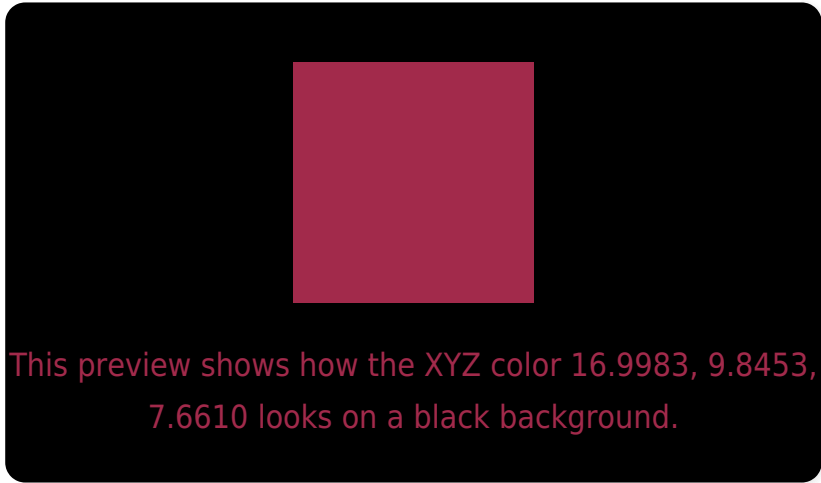
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9983, 9.8453, 7.6610

Background



This preview shows how black text looks on a background with the XYZ color 16.9983, 9.8453, 7.6610.



This preview shows how white text looks on a background with the XYZ color 16.9983, 9.8453,

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

16.9983, 9.8453, 7.6610

Protanopia

9.8490, 10.1203, 13.2387

Deuteranopia

10.2277, 10.0885, 7.0384



Tritanopia

16.3306, 9.9213, 4.0719

Trichromacy



Original Color

16.9983, 9.8453, 7.6610

Protanomaly

11.2331, 9.0178, 10.8214

Deuteranomaly

11.9317, 9.2709, 7.1218

Tritanomaly

16.4644, 9.8468, 5.1705

Monochromacy



Original Color

16.9983, 9.8453, 7.6610

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.9740, 7.9583, 8.4076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9983, 9.8453, 7.6610 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(162, 42, 75)` looks like.

```
.text, #text, p{  
    color:rgb(162, 42, 75)  
}
```

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(162, 42, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 42, 75) }
```

Border

The CSS property to change the border of an element to XYZ 16.9983, 9.8453, 7.6610 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(162, 42, 75) }
```


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

```
.border{ border-color:rgb(162, 42, 75) }
```

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

Here you see how a box with a 4 pixel rgb(162, 42, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 42, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 42, 75);  
box-shadow:4px 4px 4px 4px rgb(162, 42,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9983, 9.8453, 7.6610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 42, 75) }
```

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

```
.background{ background-color: rgb(162, 42,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor