

Converting Colors

XYZ(16.7862, 14.7487, 20.7005)

Have a look what the booklet for
XYZ(16.7862, 14.7487, 20.7005)
contains.

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Color

**XYZ(16.8449, 14.7546,
20.6990)**

Conversions

Conversions Part 1

Format	Color
Hex	80627B
RGB	128, 98, 123
RGB Percent	50%, 38%, 48%
CMY	0.4980, 0.6157, 0.5176
CMYK	0.00, 0.23, 0.04, 0.50
HSL	310°, 13%, 44%
HSV	310°, 23%, 50%
XYZ	16.8449, 14.7546, 20.6990
YIQ	109.8200, 9.8550, 14.1350

Conversions

Conversions Part 2

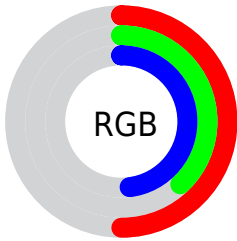
Format	Color
R_{YB}	128, 98, 123
Decimal	8413819
CIE Lab	45.30, 16.65, -9.32
CIE LCh	45, 19.075, 330.767
Yxy	14.7546, 0.3221, 0.2821
Android (android.graphics.Color)	4286603899 (0xFF80627B)
YUV	109.8200, 6.4977, 15.9439
Hunter-Lab	38.4117, 11.0581, -5.0615

Details

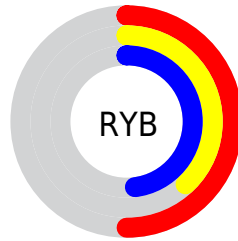
The XYZ color **16.8449, 14.7546, 20.6990** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.2049, 19.0147, 15.7016**, and the grayscale version is **14.7498, 15.5179, 16.8990**.

A 20% lighter version of the original color is **37.5414, 34.4138, 45.2213**, and **5.5617, 4.4818, 7.0505** is the 20% darker color. If you saturate the color by 10%, you get **15.6097, 12.4955, 19.6356**, and if you desaturate by 10%, it is **18.2754, 17.3993, 21.8422**.

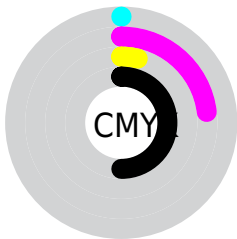
Distribution



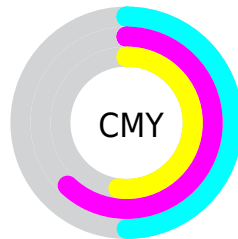
- Red (50%)
- Green (38%)
- Blue (48%)



- Red (50%)
- Yellow (38%)
- Blue (48%)



- Cyan (0%)
- Magenta (23%)
- Yellow (4%)
- Black (50%)



- Cyan (50%)
- Magenta (62%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8449, 14.7546, 20.6990 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 16.8449, 14.7546, 20.6990 by changing the saturation by 10% instead.

■ 16.8449, 14.7546,
20.6990

■ 16.8449, 14.7546,
20.6990

227.4507,
221.8760, 268.4028

■ 10.2186, 8.6473,
12.7151

■ 37.6046, 34.4221,
45.4603

■ 5.6075, 4.5119,
7.1042

■ 52.4688, 48.7511,
63.0748

■ 2.6463, 1.9638,
3.4479

■ 70.8096, 66.5895,
84.7365

■ 0.9696, 0.5863,
1.3277

■ 92.9923, 88.3217,
110.8640

■ 0.0000, 0.0000,
0.0843

119.3825,
114.3321, 141.8758

■ 0.0000, 0.0000,
0.0000

150.3454,

145.0050, 178.1906

186.2463,
180.7248, 220.2267

■ 16.8449, 14.7546,
20.6990

■ 16.8449, 14.7546,
20.6990

■ 15.6097, 12.4955,
19.6356

■ 18.2754, 17.3993,
21.8422

■ 14.5595, 10.6018,
18.6480

■ 19.9084, 20.4446,
23.0672

■ 13.6847, 9.0545,
17.7330

■ 21.7524, 23.9070,
24.3770

■ 12.9747, 7.8321,
16.8871

■ 23.8149, 27.8017,
25.7743

■ 12.4175, 6.9107,
16.1061

■ 26.1031, 32.1431,
27.2616

■ 11.9994, 6.2632,
15.3854

■ 28.6238, 36.9447,
28.8411

■ 11.7037, 5.8558,
14.7192

■ 31.3836, 42.2196,
30.5153

■ 11.5385, 5.6438,
14.2991

■ 34.3887, 47.9804,
32.2862

■ 37.6454, 54.2393,
34.1560

Harmonies

Analogous

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



15.6357, 14.7546, 24.7591



16.8449, 14.7546, 20.6990



17.2855, 14.7546, 15.9491

Triad

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



16.8449, 14.7546, 20.6990



13.9832, 14.7546, 8.8424



11.5724, 14.7546, 20.9387

Complementary

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



16.8449, 14.7546, 20.6990



15.2049, 19.0147, 15.7016

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.



11.2006, 14.7546, 16.1820



16.8449, 14.7546, 20.6990



12.5267, 14.7546, 9.6899

Square

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



16.8449, 14.7546, 20.6990



15.5601, 14.7546, 9.6070



11.5367, 14.7546, 12.1804



12.5921, 14.7546, 24.9148

Rectangle

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



16.8449, 14.7546, 20.6990



17.0599, 14.7546, 13.1740



11.5367, 14.7546, 12.1804



11.3711, 14.7546, 19.3512

Sweetspot

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



16.8453, 14.7553, 20.6993



33.9377, 33.9136, 39.7922



13.8581, 13.1782, 22.2355



7.9152, 7.8832, 9.2937



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.8453, 14.7553, 20.6993



28.4837, 23.8238, 35.4515



15.9770, 14.4079, 16.1269



4.4684, 4.4005, 5.2708



11.4415, 5.5963, 14.1807



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.8453, 14.7553, 20.6993



28.4837, 23.8238, 35.4515



16.0267, 19.3434, 20.0289



4.4684, 4.4005, 5.2708



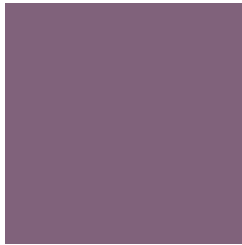
11.4415, 5.5963, 14.1807



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8449, 14.7546, 20.6990 looks on a white background.

Color Contrast Check

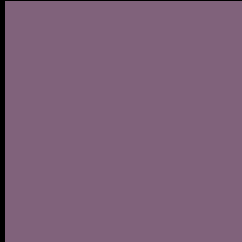
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.8449, 14.7546, 20.6990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

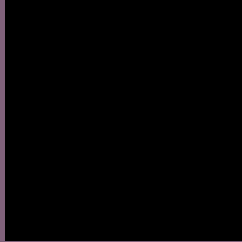
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8449, 14.7546, 20.6990

Background



This preview shows how black text looks on a background with the XYZ color 16.8449, 14.7546, 20.6990.



This preview shows how white text looks on a background with the XYZ color 16.8449, 14.7546,

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

16.8449, 14.7546, 20.6990

Protanopia

14.7100, 14.7766, 22.8457

Deuteranopia

15.1200, 14.8878, 20.4891



Tritanopia

15.9646, 14.8257, 16.2076

Trichromacy



Original Color

16.8449, 14.7546, 20.6990

Protanomaly

15.3631, 14.6775, 22.1020

Deuteranomaly

15.6003, 14.6898, 20.4255

Tritanomaly

16.2902, 14.8186, 17.6245

Monochromacy



Original Color

16.8449, 14.7546, 20.6990

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.5847, 15.3278, 18.3568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8449, 14.7546, 20.6990 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(128, 98, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 98, 123)  
}
```

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(128, 98, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 98, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.8449, 14.7546, 20.6990 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(128, 98, 123) }
```


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

```
.border{ border-color:rgb(128, 98, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 98, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 98, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 98, 123);  
box-shadow:4px 4px 4px 4px rgb(128, 98,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8449, 14.7546, 20.6990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 98, 123) }
```

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

```
.background{ background-color: rgb(128, 98,  
123) }
```

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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