

Converting Colors

XYZ(16.5832, 14.2910, 20.7925)

Have a look what the booklet for
XYZ(16.5832, 14.2910, 20.7925)
contains.

XYZ(16.7230, 14.4102, 20.9688)	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(16.7230, 14.4102,
20.9688)**

Conversions

Conversions Part 1

Format	Color
Hex	80607C
RGB	128, 96, 124
RGB Percent	50%, 38%, 49%
CMY	0.4980, 0.6235, 0.5137
CMYK	0.00, 0.25, 0.03, 0.50
HSL	308°, 14%, 44%
HSV	308°, 25%, 50%
XYZ	16.7230, 14.4102, 20.9688
YIQ	108.7600, 10.0840, 15.4920

Conversions

Conversions Part 2

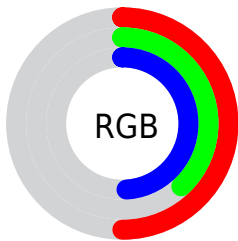
Format	Color
R_{YB}	128, 96, 124
Decimal	8413308
CIE _{Lab}	44.82, 18.04, -10.64
CIE _{LCh}	45, 20.944, 329.461
Yxy	14.4102, 0.3210, 0.2766
Android (android.graphics.Color)	4286603388 (0xFF80607C)
YUV	108.7600, 7.5133, 16.8735
Hunter-Lab	37.9608, 12.2039, -6.1781

Details

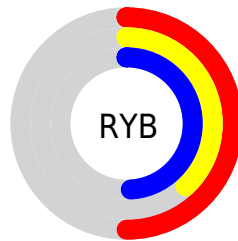
The XYZ color **16.7230, 14.4102, 20.9688** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.8438, 18.8456, 14.9126**, and the grayscale version is **14.4457, 15.1980, 16.5506**.

A 20% lighter version of the original color is **37.4256, 33.8655, 46.1591**, and **5.5102, 4.3243, 7.2009** is the 20% darker color. If you saturate the color by 10%, you get **15.5487, 12.2220, 20.0823**, and if you desaturate by 10%, it is **18.0900, 16.9807, 21.9280**.

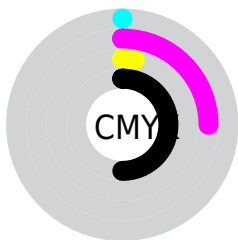
Distribution



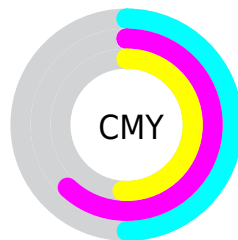
- Red (50%)
- Green (38%)
- Blue (49%)



- Red (50%)
- Yellow (38%)
- Blue (49%)



- Cyan (0%)
- Magenta (25%)
- Yellow (3%)
- Black (50%)



- Cyan (50%)
- Magenta (62%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7230, 14.4102, 20.9688 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 16.7230, 14.4102, 20.9688 by changing the saturation by 10% instead.

■ 16.7230, 14.4102,
20.9688

■ 16.7230, 14.4102,
20.9688

226.7585,
219.7680, 269.8882

■ 10.1313, 8.4065,
12.9102

■ 37.3963, 33.8151,
45.9157

■ 5.5490, 4.3562,
7.2367

■ 52.2086, 47.9851,
63.6411

■ 2.6109, 1.8747,
3.5299

■ 70.4918, 65.6461,
85.4258

■ 0.9515, 0.5331,
1.3712

■ 92.6112, 87.1823,
111.6884

■ 0.0000, 0.0000,
0.1191

118.9322,
112.9782, 142.8474

■ 0.0000, 0.0000,
0.0000

149.8202,

143.4182, 179.3213

185.6405,
178.8866, 221.5288

■ 16.7230, 14.4102,
20.9688

■ 16.7230, 14.4102,
20.9688

■ 15.5487, 12.2220,
20.0823

■ 18.0900, 16.9807,
21.9280

■ 14.5566, 10.3958,
19.2644

■ 19.6569, 19.9486,
22.9617

■ 13.7371, 8.9122,
18.5121

■ 21.4323, 23.3309,
24.0732

■ 13.0793, 7.7495,
17.8217

■ 23.4238, 27.1425,
25.2649

■ 12.5711, 6.8834,
17.1891

■ 25.6385, 31.3980,
26.5392

■ 12.1986, 6.2859,
16.6096

■ 28.0833, 36.1112,
27.8986

■ 11.9410, 5.9160,
16.0764

■ 30.7650, 41.2952,
29.3452

■ 11.8267, 5.7591,
15.8174

■ 33.6897, 46.9626,
30.8812

■ 36.8636, 53.1256,
32.5086

Harmonies

Analogous

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



15.3754, 14.4102, 25.3826



16.7230, 14.4102, 20.9688



17.2484, 14.4102, 15.7788

Triad

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



16.7230, 14.4102, 20.9688



13.7273, 14.4102, 8.0415



11.0323, 14.4102, 20.7836

Complementary

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



16.7230, 14.4102, 20.9688



14.8438, 18.8456, 14.9126

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.



10.6690, 14.4102, 15.6021



16.7230, 14.4102, 20.9688



12.1444, 14.4102, 8.8453

Square

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



16.7230, 14.4102, 20.9688



15.4332, 14.4102, 8.9057



11.0591, 14.4102, 11.3814



12.0952, 14.4102, 25.2610

Rectangle

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



16.7230, 14.4102, 20.9688



17.0308, 14.4102, 12.7616



11.0591, 14.4102, 11.3814



10.8285, 14.4102, 19.0358

Sweetspot

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



16.7234, 14.4108, 20.9691



33.9814, 33.9311, 40.0223



13.3059, 12.6192, 22.1566



7.9261, 7.8875, 9.3509



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.



16.7234, 14.4108, 20.9691



28.2263, 23.0983, 36.0152



15.8064, 14.0440, 16.1402



4.4758, 4.4035, 5.3098



11.7273, 5.7106, 15.6858



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.7234, 14.4108, 20.9691



28.2263, 23.0983, 36.0152



15.6804, 19.1802, 19.3179



4.4758, 4.4035, 5.3098



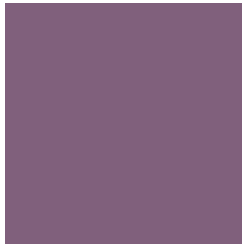
11.7273, 5.7106, 15.6858



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7230, 14.4102, 20.9688 looks on a white background.

Color Contrast Check

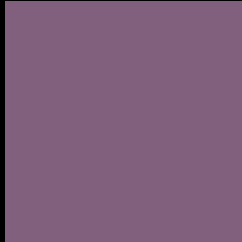
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7230, 14.4102, 20.9688 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 16.7230, 14.4102, 20.9688

Background



This preview shows how black text looks on a background with the XYZ color 16.7230, 14.4102, 20.9688.



This preview shows how white text looks on a background with the XYZ color 16.7230, 14.4102,

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

16.7230, 14.4102, 20.9688

Protanopia

14.4477, 14.4816, 23.1528

Deuteranopia

14.8321, 14.5819, 20.7717



Tritanopia

15.7199, 14.4208, 15.8649

Trichromacy



Original Color

16.7230, 14.4102, 20.9688

Protanomaly

15.2032, 14.4408, 22.4081

Deuteranomaly

15.4313, 14.4504, 20.7148

Tritanomaly

16.1007, 14.4396, 17.5613

Monochromacy



Original Color

16.7230, 14.4102, 20.9688

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.1900, 14.8285, 17.9812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7230, 14.4102, 20.9688 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, 96, 124)` looks like.

```
.text, #text, p{  
    color:rgb(128, 96, 124)  
}
```

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, 96, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 96, 124) }
```

Border

The CSS property to change the border of an element to XYZ 16.7230, 14.4102, 20.9688 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, 96, 124) }
```


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

```
.border{ border-color:rgb(128, 96, 124) }
```

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

Here you see how a box with a 4 pixel rgb(128, 96, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 96, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 96, 124);  
box-shadow:4px 4px 4px 4px rgb(128, 96,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7230, 14.4102, 20.9688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 96, 124) }
```

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

```
.background{ background-color: rgb(128, 96,  
124) }
```

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