

Converting Colors

XYZ(16.6758, 14.1145, 21.1751)

Have a look what the booklet for
XYZ(16.6758, 14.1145, 21.1751)
contains.

XYZ(16.7576, 14.1532, 21.2507)	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(16.7576, 14.1532,
21.2507)**

Conversions

Conversions Part 1

Format	Color
Hex	815E7D
RGB	129, 94, 125
RGB Percent	51%, 37%, 49%
CMY	0.4941, 0.6314, 0.5098
CMYK	0.00, 0.27, 0.03, 0.49
HSL	307°, 16%, 44%
HSV	307°, 27%, 51%
XYZ	16.7576, 14.1532, 21.2507
YIQ	107.9990, 10.9090, 17.0610

Conversions

Conversions Part 2

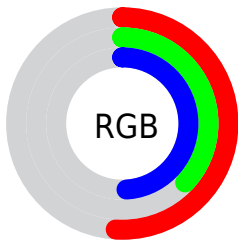
Format	Color
R_{YB}	129, 94, 125
Decimal	8478333
CIE _{Lab}	44.45, 19.80, -11.78
CIE _{LCh}	44, 23.041, 329.240
Yxy	14.1532, 0.3213, 0.2713
Android (android.graphics.Color)	4286668413 (0xFF815E7D)
YUV	107.9990, 8.3815, 18.4179
Hunter-Lab	37.6207, 13.6739, -7.1564

Details

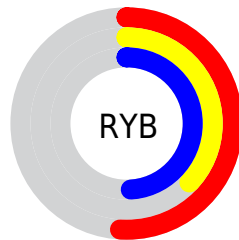
The XYZ color **16.7576, 14.1532, 21.2507** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.6715, 18.9624, 14.4428**, and the grayscale version is **14.2290, 14.9701, 16.3024**.

A 20% lighter version of the original color is **37.4527, 33.4102, 46.5943**, and **5.5455, 4.2171, 7.3592** is the 20% darker color. If you saturate the color by 10%, you get **15.6116, 12.0106, 20.4076**, and if you desaturate by 10%, it is **18.0976, 16.6810, 22.1657**.

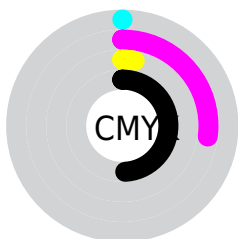
Distribution



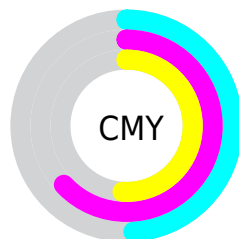
- Red (51%)
- Green (37%)
- Blue (49%)



- Red (51%)
- Yellow (37%)
- Blue (49%)



- Cyan (0%)
- Magenta (27%)
- Yellow (3%)
- Black (49%)



- Cyan (49%)
- Magenta (63%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7576, 14.1532, 21.2507 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 16.7576, 14.1532, 21.2507 by changing the saturation by 10% instead.

■ 16.7576, 14.1532,
21.2507

■ 16.7576, 14.1532,
21.2507

226.9552,
218.1818, 271.4325

■ 10.1560, 8.2273,
13.1144

■ 37.4555, 33.3606,
46.3906

■ 5.5656, 4.2407,
7.3757

■ 52.2825, 47.4109,
64.2312

■ 2.6209, 1.8091,
3.6162

■ 70.5820, 64.9381,
86.1437

■ 0.9566, 0.4928,
1.4172

■ 92.7195, 86.3267,
112.5465

■ 0.0000, 0.0000,
0.1551

119.0601,
111.9609, 143.8583

■ 0.0000, 0.0000,
0.0000

149.9694,

142.2252, 180.4975

185.8126,
177.5041, 222.8827

■ 16.7576, 14.1532,
21.2507

■ 16.7576, 14.1532,
21.2507

■ 15.6116, 12.0106,
20.4076

■ 18.0976, 16.6810,
22.1657

■ 14.6488, 10.2325,
19.6323

■ 19.6391, 19.6100,
23.1546

■ 13.8593, 8.7986,
18.9216

■ 21.3910, 22.9574,
24.2206

■ 13.2317, 7.6862,
18.2716

■ 23.3610, 26.7388,
25.3663

■ 12.7531, 6.8700,
17.6781

■ 25.5566, 30.9691,
26.5942

■ 12.4091, 6.3204,
17.1362

■ 27.9849, 35.6626,
27.9068

■ 12.1697, 5.9780,
16.6359

■ 30.6527, 40.8327,
29.3062

■ 12.1053, 5.8879,
16.4950

■ 33.5665, 46.4924,
30.7947

■ 36.7325, 52.6543,
32.3744

Harmonies

Analogous

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



15.2717, 14.1532, 26.1591



16.7576, 14.1532, 21.2507



17.3452, 14.1532, 15.5464

Triad

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



16.7576, 14.1532, 21.2507



13.4996, 14.1532, 7.2837



10.5724, 14.1532, 20.9610

Complementary

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



16.7576, 14.1532, 21.2507



14.6715, 18.9624, 14.4428

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.



10.1902, 14.1532, 15.2752



16.7576, 14.1532, 21.2507



11.7833, 14.1532, 8.1022

Square

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



16.7576, 14.1532, 21.2507



15.3611, 14.1532, 8.1909



10.6128, 14.1532, 10.7521



11.7084, 14.1532, 25.9666

Rectangle

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



16.7576, 14.1532, 21.2507



17.1105, 14.1532, 12.2821



10.6128, 14.1532, 10.7521



10.3564, 14.1532, 19.0294

Sweetspot

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



16.7580, 14.1538, 21.2510



34.8595, 34.5271, 41.2707



12.9490, 12.1601, 22.4337



7.8044, 7.6516, 9.2874



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.



16.7580, 14.1538, 21.2510



28.6083, 22.7217, 37.0383



15.7632, 13.7559, 16.0123



4.4777, 4.4042, 5.3199



11.8037, 5.7412, 16.0877



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.7580, 14.1538, 21.2510



28.6083, 22.7217, 37.0383



15.5613, 19.3183, 19.1288



4.4777, 4.4042, 5.3199



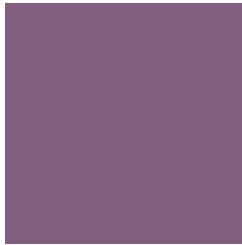
11.8037, 5.7412, 16.0877



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7576, 14.1532, 21.2507 looks on a white background.

Color Contrast Check

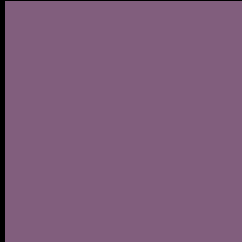
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7576, 14.1532, 21.2507 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 16.7576, 14.1532, 21.2507

Background



This preview shows how black text looks on a background with the XYZ color 16.7576, 14.1532, 21.2507.



This preview shows how white text looks on a background with the XYZ color 16.7576, 14.1532,

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

16.7576, 14.1532, 21.2507

Protanopia

14.2608, 14.2192, 23.8228

Deuteranopia

14.4888, 14.2564, 20.7270



Tritanopia

15.5217, 14.1909, 15.2856

Trichromacy



Original Color

16.7576, 14.1532, 21.2507

Protanomaly

14.9500, 14.0143, 22.6860

Deuteranomaly

15.2655, 14.2144, 21.0079

Tritanomaly

15.9517, 14.2313, 17.2354

Monochromacy



Original Color

16.7576, 14.1532, 21.2507

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.0900, 14.6284, 17.9478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7576, 14.1532, 21.2507 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(129, 94, 125)` looks like.

```
.text, #text, p{  
    color:rgb(129, 94, 125)  
}
```

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(129, 94, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 94, 125) }
```

Border

The CSS property to change the border of an element to XYZ 16.7576, 14.1532, 21.2507 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(129, 94, 125) }
```


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

```
.border{ border-color:rgb(129, 94, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 94, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 94, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 94, 125);  
box-shadow:4px 4px 4px 4px rgb(129, 94,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7576, 14.1532, 21.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 94, 125) }
```

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

```
.background{ background-color: rgb(129, 94,  
125) }
```

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