

Converting Colors

XYZ(16.1836, 14.8362, 19.7725)

Have a look what the booklet for
XYZ(16.1836, 14.8362, 19.7725)
contains.

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Color

**XYZ(16.2122, 14.8744,
19.7859)**

Conversions

Conversions Part 1

Format	Color
Hex	7B6578
RGB	123, 101, 120
RGB Percent	48%, 40%, 47%
CMY	0.5176, 0.6039, 0.5294
CMYK	0.00, 0.18, 0.02, 0.52
HSL	308°, 10%, 44%
HSV	308°, 18%, 48%
XYZ	16.2122, 14.8744, 19.7859
YIQ	109.7440, 7.0130, 10.5730

Conversions

Conversions Part 2

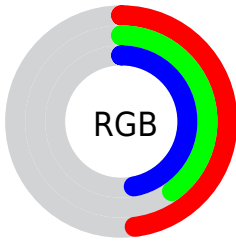
Format	Color
R_{YB}	123, 101, 120
Decimal	8086904
CIE _{Lab}	45.46, 12.37, -7.31
CIE _{LCh}	45, 14.372, 329.409
Yxy	14.8744, 0.3187, 0.2924
Android (android.graphics.Color)	4286276984 (0xFF7B6578)
YUV	109.7440, 5.0562, 11.6255
Hunter-Lab	38.5673, 7.5416, -3.4199

Details

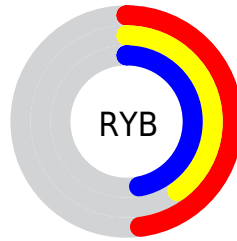
The XYZ color **16.2122, 14.8744, 19.7859** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.9490, 17.9324, 15.7709**, and the grayscale version is **14.7327, 15.4999, 16.8794**.

A 20% lighter version of the original color is **36.5791, 34.6651, 43.7928**, and **5.3129, 4.5621, 6.7314** is the 20% darker color. If you saturate the color by 10%, you get **15.0054, 12.6221, 18.8859**, and if you desaturate by 10%, it is **17.6004, 17.4862, 20.7555**.

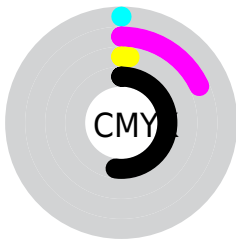
Distribution



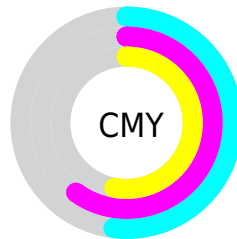
- Red (48%)
- Green (40%)
- Blue (47%)



- Red (48%)
- Yellow (40%)
- Blue (47%)



- Cyan (0%)
- Magenta (18%)
- Yellow (2%)
- Black (52%)



- Cyan (52%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2122, 14.8744, 19.7859 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 16.2122, 14.8744, 19.7859 by changing the saturation by 10% instead.

■ 16.2122, 14.8744,
19.7859

■ 16.2122, 14.8744,
19.7859

223.8365,
222.6047, 263.3195

■ 9.7662, 8.7313,
12.0570

■ 36.5207, 34.6327,
43.9122

■ 5.3053, 4.5663,
6.6595

■ 51.1139, 49.0167,
61.1466

■ 2.4641, 1.9951,
3.1749

■ 69.1536, 66.9164,
82.3866

■ 0.8772, 0.6046,
1.1846

■ 91.0051, 88.7162,
108.0508

■ 0.0000, 0.0000,
0.0000

117.0338,
114.8005, 138.5576

147.6050,

145.5538, 174.3256

183.0841,
181.3604, 215.7734

■ 16.2122, 14.8744,
19.7859

■ 16.2122, 14.8744,
19.7859

■ 15.0054, 12.6221,
18.8859

■ 17.6004, 17.4862,
20.7555

■ 13.9709, 10.7116,
18.0520

■ 19.1761, 20.4704,
21.7962

■ 13.1004, 9.1265,
17.2814

■ 20.9468, 23.8417,
22.9109

■ 12.3847, 7.8483,
16.5711

■ 22.9191, 27.6134,
24.1017

■ 11.8138, 6.8566,
15.9177

■ 25.0995, 31.7981,
25.3707

■ 11.3761, 6.1286,
15.3172

■ 27.4938, 36.4079,
26.7202

■ 11.0585, 5.6381,
14.7654

■ 30.1079, 41.4544,
28.1519

■ 10.8286, 5.3203,
14.2512

■ 32.9475, 46.9488,
29.6679

■ 10.7818, 5.2563,
14.1441

■ 36.0179, 52.9019,
31.2700

Harmonies

Analogous

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



15.2978, 14.8744, 22.6409



16.2122, 14.8744, 19.7859



16.5654, 14.8744, 16.2638

Triad

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



16.2122, 14.8744, 19.7859



14.1614, 14.8744, 10.4598



12.2266, 14.8744, 19.6516

Complementary

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



16.2122, 14.8744, 19.7859



14.9490, 17.9324, 15.7709

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.



11.9595, 14.8744, 16.1278



16.2122, 14.8744, 19.7859



13.0377, 14.8744, 11.1069

Square

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



16.2122, 14.8744, 19.7859



15.3412, 14.8744, 11.1598



12.2481, 14.8744, 13.0684



12.9988, 14.8744, 22.5560

Rectangle

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



16.2122, 14.8744, 19.7859



16.4207, 14.8744, 14.1032



12.2481, 14.8744, 13.0684



12.0767, 14.8744, 18.4855

Sweetspot

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



16.2126, 14.8750, 19.7862



32.2625, 32.7207, 37.6691



13.9307, 13.6773, 20.6448



7.5609, 7.6354, 8.8466



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.2126, 14.8750, 19.7862



28.2107, 25.0991, 34.8322



15.5865, 14.6246, 16.4888



4.1321, 4.0686, 4.8933



11.1522, 5.4370, 14.6243



52.9662, 25.8428, 68.5432

Inverse Universe

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



16.2126, 14.8750, 19.7862



28.2107, 25.0991, 34.8322



15.5410, 18.1692, 18.8879



4.1321, 4.0686, 4.8933



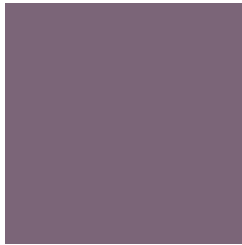
11.1522, 5.4370, 14.6243



52.9662, 25.8428, 68.5432

Previews

White Background



This preview shows how the XYZ color 16.2122, 14.8744, 19.7859 looks on a white background.

Color Contrast Check

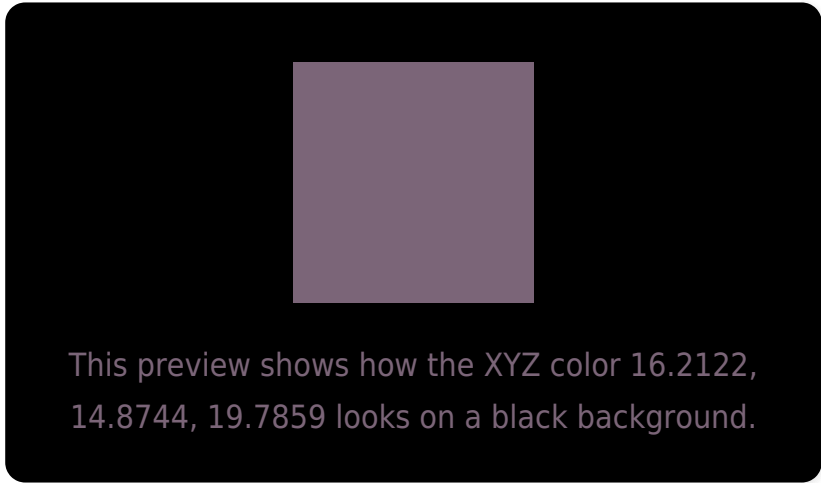
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

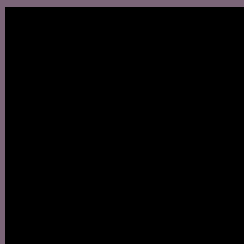
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2122, 14.8744, 19.7859

Background



This preview shows how black text looks on a background with the XYZ color 16.2122, 14.8744, 19.7859.



This preview shows how white text looks on a background with the XYZ color 16.2122, 14.8744,

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

16.2122, 14.8744, 19.7859

Protanopia

14.7215, 14.9739, 21.1831

Deuteranopia

15.1914, 14.9458, 19.5369



Tritanopia

15.7455, 14.9858, 17.1016

Trichromacy



Original Color

16.2122, 14.8744, 19.7859

Protanomaly

15.3088, 14.9780, 20.8231

Deuteranomaly

15.6162, 15.0144, 19.5278

Tritanomaly

15.8147, 14.8552, 17.9534

Monochromacy



Original Color

16.2122, 14.8744, 19.7859

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.3652, 15.3751, 18.0775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2122, 14.8744, 19.7859 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(123, 101, 120)` looks like.

```
.text, #text, p{  
    color:rgb(123, 101, 120)  
}
```

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(123, 101, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 101, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.2122, 14.8744, 19.7859 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(123, 101, 120) }
```


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

```
.border{ border-color:rgb(123, 101, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 101, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 101, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 101, 120);  
box-shadow:4px 4px 4px 4px rgb(123, 101,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2122, 14.8744, 19.7859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 101, 120) }
```

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

```
.background{ background-color: rgb(123,  
101, 120) }
```

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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