

Converting Colors

XYZ(17.0967, 15.0657, 21.7412)

Have a look what the booklet for
XYZ(17.0967, 15.0657, 21.7412)
contains.

XYZ(17.1298, 15.0192, 21.7348)	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(17.1298, 15.0192,
21.7348)**

Conversions

Conversions Part 1

Format	Color
Hex	80637E
RGB	128, 99, 126
RGB Percent	50%, 39%, 49%
CMY	0.4980, 0.6118, 0.5059
CMYK	0.00, 0.23, 0.02, 0.50
HSL	304°, 13%, 45%
HSV	304°, 23%, 50%
XYZ	17.1298, 15.0192, 21.7348
YIQ	110.7490, 8.6170, 14.5450

Conversions

Conversions Part 2

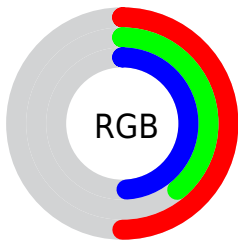
Format	Color
R _Y B	128, 99, 126
Decimal	8414078
CIE Lab	45.66, 16.65, -10.57
CIE LCh	46, 19.724, 327.580
Yxy	15.0192, 0.3179, 0.2787
Android (android.graphics.Color)	4286604158 (0xFF80637E)
YUV	110.7490, 7.5187, 15.1291
Hunter-Lab	38.7546, 11.0776, -6.1235

Details

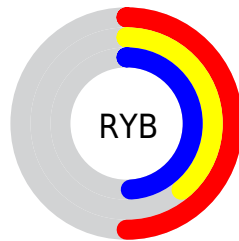
The XYZ color **17.1298, 15.0192, 21.7348** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.2143, 19.0310, 15.1842**, and the grayscale version is **15.0143, 15.7962, 17.2020**.

A 20% lighter version of the original color is **38.0991, 34.8911, 47.3744**, and **5.7094, 4.6115, 7.6104** is the 20% darker color. If you saturate the color by 10%, you get **15.9554, 12.7609, 21.0636**, and if you desaturate by 10%, it is **18.4978, 17.6634, 22.4733**.

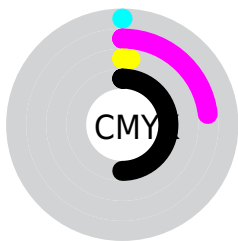
Distribution



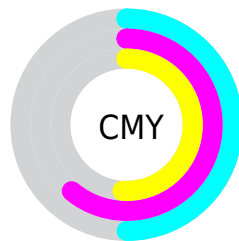
- Red (50%)
- Green (39%)
- Blue (49%)



- Red (50%)
- Yellow (39%)
- Blue (49%)



- Cyan (0%)
- Magenta (23%)
- Yellow (2%)
- Black (50%)



- Cyan (50%)
- Magenta (61%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1298, 15.0192, 21.7348 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 17.1298, 15.0192, 21.7348 by changing the saturation by 10% instead.

■ 17.1298, 15.0192,
21.7348

■ 17.1298, 15.0192,
21.7348

229.0610,
223.4824, 274.0664

■ 10.4230, 8.8329,
13.4657

■ 38.0906, 34.8869,
47.2038

■ 5.7447, 4.6323,
7.6155

■ 53.0753, 49.3370,
65.2409

■ 2.7296, 2.0332,
3.7657

■ 71.5500, 67.3105,
87.3710

■ 1.0125, 0.6267,
1.4977

■ 93.8801, 89.1917,
114.0127

■ 0.0000, 0.0000,
0.2162

120.4309,
115.3652, 145.5845

■ 0.0000, 0.0000,
0.0000

151.5677,

146.2151, 182.5051

187.6559,
182.1261, 225.1928

■ 17.1298, 15.0192,
21.7348

■ 17.1298, 15.0192,
21.7348

■ 15.9554, 12.7609,
21.0636

■ 18.4978, 17.6634,
22.4733

■ 14.9643, 10.8686,
20.4559

■ 20.0666, 20.7085,
23.2811

■ 14.1470, 9.3234,
19.9085

■ 21.8445, 24.1711,
24.1610

■ 13.4931, 8.1038,
19.4181

■ 23.8389, 28.0660,
25.1157

■ 12.9906, 7.1864,
18.9806

■ 26.0572, 32.4077,
26.1475

■ 12.6260, 6.5440,
18.5915

■ 28.5060, 37.2097,
27.2586

■ 12.3835, 6.1451,
18.2455

■ 31.1919, 42.4850,
28.4512

■ 12.2423, 5.9253,
18.0053

■ 34.1211, 48.2462,
29.7276

■ 37.2997, 54.5053,
31.0895

Harmonies

Analogous

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



15.7979, 15.0192, 25.8209



17.1298, 15.0192, 21.7348



17.6920, 15.0192, 16.7407

Triad

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



17.1298, 15.0192, 21.7348



14.4099, 15.0192, 8.8408



11.6394, 15.0192, 20.9400

Complementary

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



17.1298, 15.0192, 21.7348



15.2143, 19.0310, 15.1842

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.



11.3295, 15.0192, 15.9720



17.1298, 15.0192, 21.7348



12.8538, 15.0192, 9.5394

Square

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



17.1298, 15.0192, 21.7348



16.0479, 15.0192, 9.8103



11.7570, 15.0192, 11.9427



12.6383, 15.0192, 25.3032

Rectangle

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



17.1298, 15.0192, 21.7348



17.5245, 15.0192, 13.7553



11.7570, 15.0192, 11.9427



11.4548, 15.0192, 19.2596

Sweetspot

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



17.1303, 15.0199, 21.7351



34.0404, 33.9547, 40.3331



13.7181, 13.2458, 22.2560



7.9408, 7.8934, 9.4281



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.



17.1303, 15.0199, 21.7351



29.0913, 24.3864, 37.6660



16.2650, 14.6737, 17.1787



4.4858, 4.4075, 5.3625



12.1392, 5.8754, 17.8544



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.1303, 15.0199, 21.7351



29.0913, 24.3864, 37.6660



15.9848, 19.3392, 19.2416



4.4858, 4.4075, 5.3625



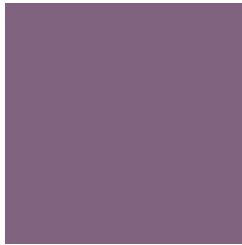
12.1392, 5.8754, 17.8544



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.1298, 15.0192, 21.7348 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 17.1298, 15.0192, 21.7348 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 17.1298, 15.0192, 21.7348

Background



This preview shows how black text looks on a background with the XYZ color 17.1298, 15.0192, 21.7348.



This preview shows how white text looks on a background with the XYZ color 17.1298, 15.0192,

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

17.1298, 15.0192, 21.7348

Protanopia

15.0161, 15.0649, 23.9462

Deuteranopia

15.4113, 15.1682, 21.5175



Tritanopia

16.1700, 15.0642, 16.8073

Trichromacy



Original Color

17.1298, 15.0192, 21.7348

Protanomaly

15.6617, 14.9571, 23.1806

Deuteranomaly

15.8880, 14.9631, 21.4528

Tritanomaly

16.5585, 15.0803, 18.5611

Monochromacy



Original Color

17.1298, 15.0192, 21.7348

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.7462, 15.5583, 18.6961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1298, 15.0192, 21.7348 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, 99, 126)` looks like.

```
.text, #text, p{  
    color:rgb(128, 99, 126)  
}
```

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, 99, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 99, 126) }
```

Border

The CSS property to change the border of an element to XYZ 17.1298, 15.0192, 21.7348 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, 99, 126) }
```


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

```
.border{ border-color:rgb(128, 99, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 99, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 99, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 99, 126);  
box-shadow:4px 4px 4px 4px rgb(128, 99,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1298, 15.0192, 21.7348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 99, 126) }
```

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

```
.background{ background-color: rgb(128, 99,  
126) }
```

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