

Converting Colors

XYZ(17.7497, 10.1070, 6.9876)

Have a look what the booklet for
XYZ(17.7497, 10.1070, 6.9876)
contains.

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Color

**XYZ(17.7992, 10.1215,
6.9768)**

Conversions

Conversions Part 1

Format	Color
Hex	A72747
RGB	167, 39, 71
RGB Percent	65%, 15%, 28%
CMY	0.3451, 0.8470, 0.7216
CMYK	0.00, 0.77, 0.57, 0.35
HSL	345°, 62%, 40%
HSV	345°, 77%, 65%
XYZ	17.7992, 10.1215, 6.9768
YIQ	80.9200, 66.0160, 37.0880

Conversions

Conversions Part 2

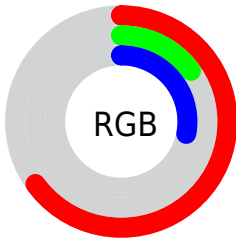
Format	Color
RYB	167, 39, 71
Decimal	10954567
CIELab	38.06, 53.04, 13.17
CIElCh	38, 54.656, 13.948
Yxy	10.1215, 0.5100, 0.2900
Android (android.graphics.Color)	4289144647 (0xFFA72747)
YUV	80.9200, -4.8906, 75.4922
Hunter-Lab	31.8143, 44.1906, 9.2679

Details

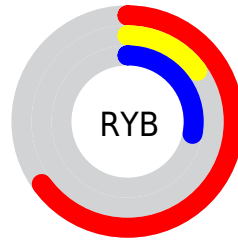
The XYZ color **17.7992, 10.1215, 6.9768** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.0295, 29.8183, 27.6776**, and the grayscale version is **7.8064, 8.2129, 8.9438**.

A 20% lighter version of the original color is **39.1912, 26.0285, 20.4112**, and **6.3939, 3.2720, 1.3932** is the 20% darker color. If you saturate the color by 10%, you get **17.0050, 9.1115, 4.9290**, and if you desaturate by 10%, it is **18.9182, 11.6485, 9.5419**.

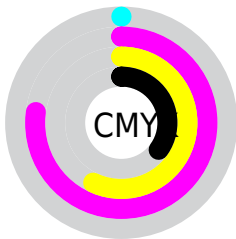
Distribution



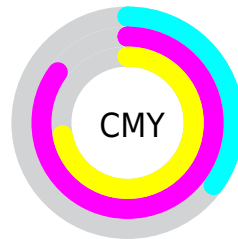
- Red (65%)
- Green (15%)
- Blue (28%)



- Red (65%)
- Yellow (15%)
- Blue (28%)



- Cyan (0%)
- Magenta (77%)
- Yellow (57%)
- Black (35%)





- Cyan (35%)
- Magenta (85%)
- Yellow (72%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7992, 10.1215, 6.9768 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 17.7992, 10.1215, 6.9768 by changing the saturation by 10% instead.


 17.7992, 10.1215,
6.9768


 17.7992, 10.1215,
6.9768


232.8043,
191.5370, 177.0944


 10.9047, 5.4796,
3.3694


 39.2276, 26.0238,
20.4386


 6.0696, 2.5313,
1.2862


 54.4923, 38.0529,
31.1300

 2.9285, 0.8923,
0.0504

 73.2778, 53.3133,
45.0199

 1.1161, 0.0000,
0.0000

 95.9494, 72.1893,
62.5267

 0.0385, 0.0000,
0.0000

 122.8725, 95.0652,
84.0690

 0.0000, 0.0000,
0.0000

 154.4125,

122.3256, 110.0654

190.9346,
154.3547, 140.9343

■ 17.7992, 10.1215,
6.9768

■ 17.7992, 10.1215,
6.9768

■ 17.0050, 9.1115,
4.9290

■ 18.9182, 11.6485,
9.5419

■ 16.4893, 8.5341,
3.3576

■ 20.3939, 13.7489,
12.6579

■ 16.3495, 8.3808,
2.9222

■ 22.2555, 16.4736,
16.3560

■ 24.5283, 19.8674,
20.6647

■ 27.2359, 23.9710,
25.6106

■ 30.3997, 28.8217,
31.2186

■ 34.0400, 34.4543,
37.5125

■ 38.1756, 40.9014,
44.5146

■ 42.8244, 48.1936,
52.2463

Harmonies

Analogous

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



17.7024, 10.1215, 17.2975



17.7992, 10.1215, 6.9768



15.3634, 10.1215, 2.2985

Triad

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



17.7992, 10.1215, 6.9768



5.6454, 10.1215, 2.1260



7.8671, 10.1215, 42.1240

Complementary

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



17.7992, 10.1215, 6.9768



19.0295, 29.8183, 27.6776

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.



5.5231, 10.1215, 30.6942



17.7992, 10.1215, 6.9768



4.4709, 10.1215, 6.4821

Square

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



17.7992, 10.1215, 6.9768



8.0789, 10.1215, 0.8792



4.4324, 10.1215, 16.3855



11.3459, 10.1215, 42.5760

Rectangle

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



17.7992, 10.1215, 6.9768



12.9100, 10.1215, 1.1676



4.4324, 10.1215, 16.3855



6.9429, 10.1215, 39.2255

Sweetspot

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



17.7995, 10.1221, 6.9770



50.5139, 45.5825, 48.9738



17.6929, 9.3928, 37.4394



10.8841, 9.5590, 10.2074



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.7995, 10.1221, 6.9770



29.7653, 15.5324, 6.7680



18.5563, 12.8694, 3.4264



7.6052, 7.5719, 8.2381



12.5281, 6.4199, 2.3264



0.3246, 0.1641, 0.1610

Inverse Universe

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



17.7995, 10.1221, 6.9770



29.7653, 15.5324, 6.7680



16.4764, 20.5501, 39.6571



7.6052, 7.5719, 8.2381



12.5281, 6.4199, 2.3264



0.3246, 0.1641, 0.1610

Previews

White Background



This preview shows how the XYZ color 17.7992, 10.1215, 6.9768 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

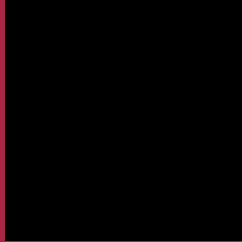
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7992, 10.1215, 6.9768

Background



This preview shows how black text looks on a background with the XYZ color 17.7992, 10.1215, 6.9768.



This preview shows how white text looks on a background with the XYZ color 17.7992, 10.1215,

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

17.7992, 10.1215, 6.9768

Protanopia

10.0361, 10.3627, 12.2977

Deuteranopia

10.5467, 10.3862, 6.4499



Tritanopia

17.1574, 10.1810, 3.6456

Trichromacy



Original Color

17.7992, 10.1215, 6.9768

Protanomaly

11.5407, 9.1003, 9.9524

Deuteranomaly

12.2565, 9.4527, 6.4888

Tritanomaly

17.2794, 10.1106, 4.6552

Monochromacy



Original Color

17.7992, 10.1215, 6.9768

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.9699, 7.8770, 8.0161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7992, 10.1215, 6.9768 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(167, 39, 71)` looks like.

```
.text, #text, p{  
    color:rgb(167, 39, 71)  
}
```

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(167, 39, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 39, 71) }
```

Border

The CSS property to change the border of an element to XYZ 17.7992, 10.1215, 6.9768 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(167, 39, 71) }
```


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

```
.border{ border-color:rgb(167, 39, 71) }
```

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

Here you see how a box with a 4 pixel rgb(167, 39, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 39, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 39, 71);  
box-shadow:4px 4px 4px 4px rgb(167, 39,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7992, 10.1215, 6.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 39, 71) }
```

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

```
.background{ background-color: rgb(167, 39,  
71) }
```

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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