

Converting Colors

XYZ(19.9919, 10.9661, 7.9473)

Have a look what the booklet for
XYZ(19.9919, 10.9661, 7.9473)
contains.

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Color

**XYZ(19.9798, 10.9566,
7.8993)**

Conversions

Conversions Part 1

Format	Color
Hex	B1214C
RGB	177, 33, 76
RGB Percent	69%, 13%, 30%
CMY	0.3059, 0.8705, 0.7020
CMYK	0.00, 0.81, 0.57, 0.31
HSL	342°, 69%, 41%
HSV	342°, 81%, 69%
XYZ	19.9798, 10.9566, 7.8993
YIQ	80.9580, 72.0210, 43.9010

Conversions

Conversions Part 2

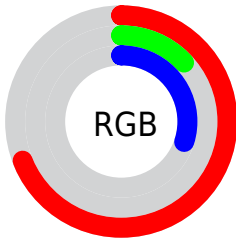
Format	Color
R_{YB}	177, 33, 76
Decimal	11608396
CIE _{Lab}	39.51, 58.04, 12.29
CIE _{LCh}	40, 59.326, 11.954
Yxy	10.9566, 0.5145, 0.2821
Android (android.graphics.Color)	4289798476 (0xFFB1214C)
YUV	80.9580, -2.4443, 84.2288
Hunter-Lab	33.1008, 49.8173, 9.0213

Details

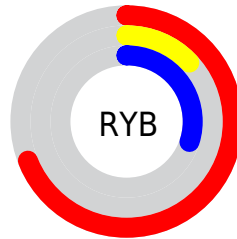
The XYZ color **19.9798, 10.9566, 7.8993** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **20.6535, 33.4892, 27.9338**, and the grayscale version is **7.8085, 8.2152, 8.9463**.

A 20% lighter version of the original color is **42.9643, 27.6632, 22.4771**, and **7.7457, 3.9614, 1.7952** is the 20% darker color. If you saturate the color by 10%, you get **19.2203, 10.0630, 5.7181**, and if you desaturate by 10%, it is **21.0814, 12.4011, 10.6057**.

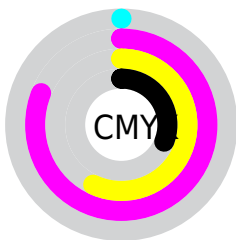
Distribution



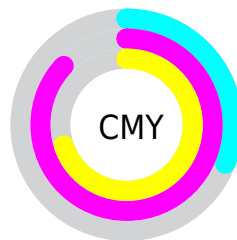
- Red (69%)
- Green (13%)
- Blue (30%)



- Red (69%)
- Yellow (13%)
- Blue (30%)



- Cyan (0%)
- Magenta (81%)
- Yellow (57%)
- Black (31%)





- Cyan (31%)
- Magenta (87%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9798, 10.9566, 7.8993 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 19.9798, 10.9566, 7.8993 by changing the saturation by 10% instead.


 19.9798, 10.9566,
7.8993


 19.9798, 10.9566,
7.8993


244.6414,
197.3696, 184.8450


 12.4885, 6.0377,
3.9437


 42.8875, 27.5799,
22.3037


 7.1519, 2.8680,
1.5945


 59.0347, 40.0530,
33.5896


 3.6044, 1.0632,
0.2869

 78.7979, 55.8130,
48.1560

 1.4809, 0.0000,
0.0000

 102.5424, 75.2442,
66.4215

 0.3128, 0.0000,
0.0000

 130.6337, 98.7311,
88.8047

 0.0000, 0.0000,
0.0000

 163.4370,

126.6580, 115.7239

201.3178,
159.4094, 147.5979

■ 19.9798, 10.9566,
7.8993

■ 19.9798, 10.9566,
7.8993

■ 19.2203, 10.0630,
5.7181

■ 21.0814, 12.4011,
10.6057

■ 18.7704, 9.6027,
4.2136

■ 22.5642, 14.4676,
13.8719

■ 24.4627, 17.2183,
17.7300

■ 26.8069, 20.7075,
22.2088

■ 29.6242, 24.9838,
27.3354

■ 32.9395, 30.0916,
33.1351

■ 36.7761, 36.0722,
39.6319

■ 41.1556, 42.9640,
46.8485

■ 46.0986, 50.8030,
54.8065

Harmonies

Analogous

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



19.6526, 10.9566, 20.2069



19.9798, 10.9566, 7.8993



17.3027, 10.9566, 2.3954

Triad

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



19.9798, 10.9566, 7.8993



6.0460, 10.9566, 1.8680



8.1938, 10.9566, 47.9008

Complementary

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



19.9798, 10.9566, 7.8993



20.6535, 33.4892, 27.9338

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.



5.6499, 10.9566, 33.7580



19.9798, 10.9566, 7.8993



4.6483, 10.9566, 6.2924

Square

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



19.9798, 10.9566, 7.8993



8.8904, 10.9566, 0.7045



4.5250, 10.9566, 17.1405



12.1023, 10.9566, 49.4590

Rectangle

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



19.9798, 10.9566, 7.8993



14.4974, 10.9566, 1.1082



4.5250, 10.9566, 17.1405



7.1797, 10.9566, 44.1772

Sweetspot

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



19.9801, 10.9572, 7.8995



57.0793, 50.9307, 56.0343



18.2801, 9.3149, 42.4292



11.9210, 10.3456, 11.3586



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.9801, 10.9572, 7.8995



33.6839, 17.3045, 7.6510



20.1183, 12.8815, 2.8657



8.5973, 8.5456, 9.3779



13.6237, 6.9670, 3.1785



0.4551, 0.2298, 0.2390

Inverse Universe

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



19.9801, 10.9572, 7.8995



33.6839, 17.3045, 7.6510



19.1850, 24.7411, 45.3591



8.5973, 8.5456, 9.3779



13.6237, 6.9670, 3.1785



0.4551, 0.2298, 0.2390

Previews

White Background



This preview shows how the XYZ color 19.9798, 10.9566, 7.8993 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 19.9798, 10.9566, 7.8993

Background



This preview shows how black text looks on a background with the XYZ color 19.9798, 10.9566, 7.8993.



This preview shows how white text looks on a background with the XYZ color 19.9798, 10.9566,

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

19.9798, 10.9566, 7.8993

Protanopia

11.0667, 11.3525, 14.9726

Deuteranopia

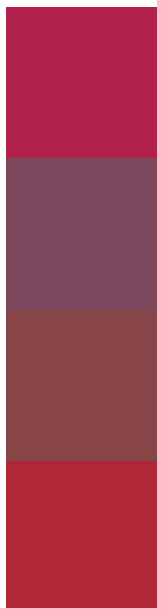
11.4124, 11.1867, 7.1880



Tritanopia

19.1685, 11.0605, 3.4101

Trichromacy



Original Color

19.9798, 10.9566, 7.8993

Protanomaly

12.6499, 9.7280, 11.8006

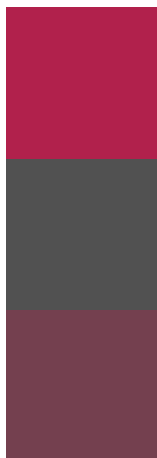
Deuteranomaly

13.4512, 9.9584, 7.3441

Tritanomaly

19.3196, 10.9570, 4.7111

Monochromacy



Original Color

19.9798, 10.9566, 7.8993

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.4471, 7.9443, 8.3799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9798, 10.9566, 7.8993 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(177, 33, 76)` looks like.

```
.text, #text, p{  
    color:rgb(177, 33, 76)  
}
```

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(177, 33, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 33, 76) }
```

Border

The CSS property to change the border of an element to XYZ 19.9798, 10.9566, 7.8993 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(177, 33, 76) }
```


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

```
.border{ border-color:rgb(177, 33, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 33, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 33, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 33, 76);  
box-shadow:4px 4px 4px 4px rgb(177, 33,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9798, 10.9566, 7.8993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 33, 76) }
```

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

```
.background{ background-color: rgb(177, 33,  
76) }
```

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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