

Converting Colors

XYZ(19.8129, 12.4668, 17.9472)

Have a look what the booklet for
XYZ(19.8129, 12.4668, 17.9472)
contains.

XYZ(19.8302, 12.4973, 17.8901)	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(19.8302, 12.4973,
17.8901)**

Conversions

Conversions Part 1

Format	Color
Hex	A23F74
RGB	162, 63, 116
RGB Percent	64%, 25%, 45%
CMY	0.3647, 0.7529, 0.5451
CMYK	0.00, 0.61, 0.28, 0.36
HSL	328°, 44%, 44%
HSV	328°, 61%, 64%
XYZ	19.8302, 12.4973, 17.8901
YIQ	98.6430, 41.9910, 37.4710

Conversions

Conversions Part 2

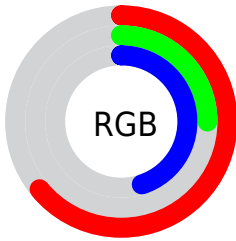
Format	Color
R_{YB}	162, 63, 116
Decimal	10633076
CIE Lab	42.00, 46.57, -9.55
CIE LCh	42, 47.538, 348.412
Yxy	12.4973, 0.3949, 0.2489
Android (android.graphics.Color)	4288823156 (0xFFA23F74)
YUV	98.6430, 8.5570, 55.5641
Hunter-Lab	35.3515, 38.2632, -5.2584

Details

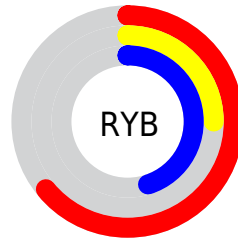
The XYZ color **19.8302, 12.4973, 17.8901** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.7312, 28.0020, 18.9397**, and the grayscale version is **11.7423, 12.3538, 13.4533**.

A 20% lighter version of the original color is **42.5267, 30.3780, 40.6679**, and **7.1068, 3.5432, 5.7782** is the 20% darker color. If you saturate the color by 10%, you get **18.6411, 10.7917, 15.4202**, and if you desaturate by 10%, it is **21.3195, 14.7463, 20.6354**.

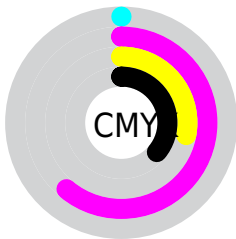
Distribution



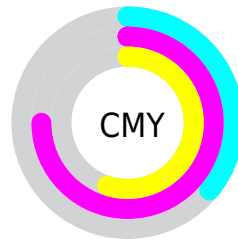
- Red (64%)
- Green (25%)
- Blue (45%)



- Red (64%)
- Yellow (25%)
- Blue (45%)



- Cyan (0%)
- Magenta (61%)
- Yellow (28%)
- Black (36%)





- Cyan (36%)
- Magenta (75%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8302, 12.4973, 17.8901 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 19.8302, 12.4973, 17.8901 by changing the saturation by 10% instead.


 19.8302, 12.4973,
17.8901


 19.8302, 12.4973,
17.8901


243.8455,
207.6703, 252.4661


 12.3792, 7.0833,
10.7025


 42.6384, 30.3977,
40.6614

 7.0765, 3.5143,
5.7555


 58.7264, 43.6528,
57.0821


 3.5568, 1.4057,
2.6306

 78.4241, 60.2905,
77.4177

 1.4546, 0.2210,
0.9082

 102.0968, 80.6951,
102.0865

 0.2946, 0.0000,
0.0000

 130.1100,
105.2509, 131.5073

 0.0000, 0.0000,
0.0000

162.8289,

134.3425, 166.0984

200.6190,
168.3542, 206.2785

■ 19.8302, 12.4973,
17.8901

■ 19.8302, 12.4973,
17.8901

■ 18.6411, 10.7917,
15.4202

■ 21.3195, 14.7463,
20.6354

■ 17.7264, 9.5794,
13.2126

■ 23.1297, 17.5792,
23.6666

■ 17.0573, 8.8042,
11.2536

■ 25.2809, 21.0347,
26.9945

■ 16.6094, 8.3651,
9.6971

■ 27.7911, 25.1477,
30.6287

■ 30.6771, 29.9505,
34.5784

■ 33.9544, 35.4733,
38.8525

■ 37.6380, 41.7443,
43.4593

■ 41.7416, 48.7903,
48.4067

■ 46.2785, 56.6370,
53.7024

Harmonies

Analogous

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



17.7018, 12.4973, 30.9824



19.8302, 12.4973, 17.8901



19.5379, 12.4973, 8.3520

Triad

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



19.8302, 12.4973, 17.8901



9.8640, 12.4973, 2.2506



7.9241, 12.4973, 33.8962

Complementary

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



19.8302, 12.4973, 17.8901



17.7312, 28.0020, 18.9397

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.



6.5390, 12.4973, 20.7037



19.8302, 12.4973, 17.8901



7.4966, 12.4973, 4.3628

Square

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



19.8302, 12.4973, 17.8901



13.2922, 12.4973, 2.0753



6.3998, 12.4973, 10.0694



10.5684, 12.4973, 42.8483

Rectangle

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



19.8302, 12.4973, 17.8901



18.0187, 12.4973, 4.7604



6.3998, 12.4973, 10.0694



7.3203, 12.4973, 29.5779

Sweetspot

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



19.8306, 12.4979, 17.8903



51.8321, 47.9374, 57.5291



14.4295, 9.3244, 35.2219



11.3283, 10.2485, 12.4840



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.8306, 12.4979, 17.8903



33.2440, 18.7750, 26.6275



17.7202, 11.6538, 6.7770



7.2248, 7.1464, 8.1704



13.1072, 6.5989, 7.7551



0.2990, 0.1481, 0.2872

Inverse Universe

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



19.8306, 12.4979, 17.8903



33.2440, 18.7750, 26.6275



21.0607, 29.3338, 36.4729



7.2248, 7.1464, 8.1704



13.1072, 6.5989, 7.7551



0.2990, 0.1481, 0.2872

Previews

White Background



This preview shows how the XYZ color 19.8302, 12.4973, 17.8901 looks on a white background.

Color Contrast Check

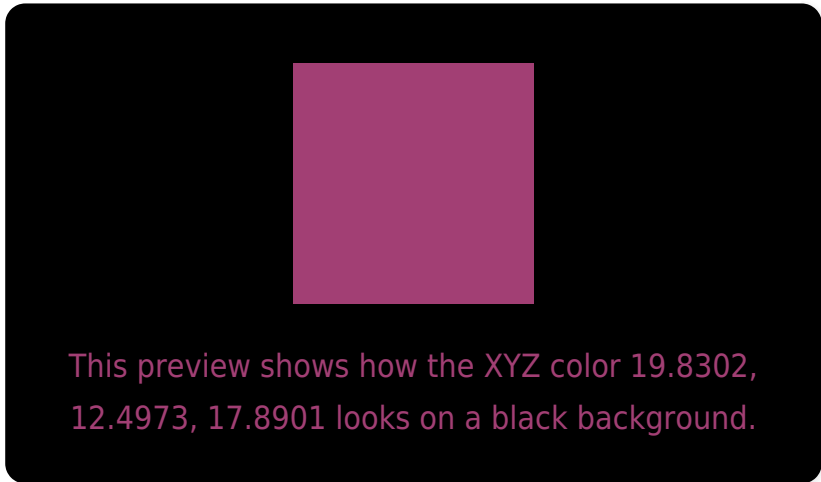
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8302, 12.4973, 17.8901

Background



This preview shows how black text looks on a background with the XYZ color 19.8302, 12.4973, 17.8901.



This preview shows how white text looks on a background with the XYZ color 19.8302, 12.4973,

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

19.8302, 12.4973, 17.8901

Protanopia

13.1059, 12.6847, 26.9569

Deuteranopia

12.8529, 12.6401, 16.8013



Tritanopia

17.9550, 12.5415, 8.4956

Trichromacy



Original Color

19.8302, 12.4973, 17.8901

Protanomaly

14.3528, 11.7403, 23.3394

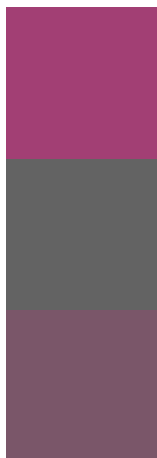
Deuteranomaly

14.6866, 12.0492, 17.1745

Tritanomaly

18.5137, 12.4852, 11.3316

Monochromacy



Original Color

19.8302, 12.4973, 17.8901

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.9036, 11.8131, 14.9120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8302, 12.4973, 17.8901 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(162, 63, 116)` looks like.

```
.text, #text, p{  
    color:rgb(162, 63, 116)  
}
```

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(162, 63, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 63, 116) }
```

Border

The CSS property to change the border of an element to XYZ 19.8302, 12.4973, 17.8901 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(162, 63, 116) }
```


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

```
.border{ border-color:rgb(162, 63, 116) }
```

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

Here you see how a box with a 4 pixel rgb(162, 63, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 63, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 63, 116);  
box-shadow:4px 4px 4px 4px rgb(162, 63,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8302, 12.4973, 17.8901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 63, 116) }
```

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

```
.background{ background-color: rgb(162, 63,  
116) }
```

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