

Converting Colors

XYZ(23.6504, 18.4187, 19.7265)

Have a look what the booklet for
XYZ(23.6504, 18.4187, 19.7265)
contains.

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Color

**XYZ(23.7280, 18.4711,
19.7674)**

Conversions

Conversions Part 1

Format	Color
Hex	A76377
RGB	167, 99, 119
RGB Percent	65%, 39%, 47%
CMY	0.3451, 0.6117, 0.5333
CMYK	0.00, 0.41, 0.29, 0.35
HSL	342°, 28%, 52%
HSV	342°, 41%, 65%
XYZ	23.7280, 18.4711, 19.7674
YIQ	121.6120, 34.1080, 20.6360

Conversions

Conversions Part 2

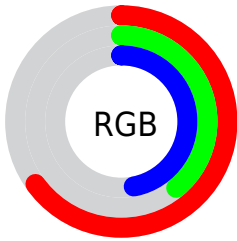
Format	Color
R_{YB}	167, 99, 119
Decimal	10969975
CIE _{Lab}	50.06, 30.08, 0.65
CIE _{LCh}	50, 30.086, 1.246
Yxy	18.4711, 0.3829, 0.2981
Android (android.graphics.Color)	4289160055 (0xFFA76377)
YUV	121.6120, -1.2877, 39.8053
Hunter-Lab	42.9780, 23.3376, 2.8146

Details

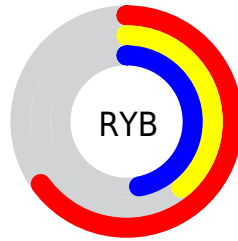
The XYZ color **23.7280, 18.4711, 19.7674** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.2317, 32.3972, 32.5817**, and the grayscale version is **18.3691, 19.3257, 21.0457**.

A 20% lighter version of the original color is **49.1578, 40.9208, 43.8357**, and **9.0880, 6.2468, 6.6880** is the 20% darker color. If you saturate the color by 10%, you get **21.6417, 15.3621, 15.7929**, and if you desaturate by 10%, it is **26.2303, 22.2713, 24.3143**.

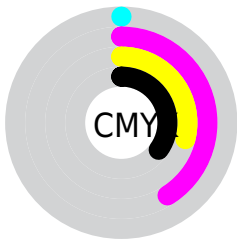
Distribution



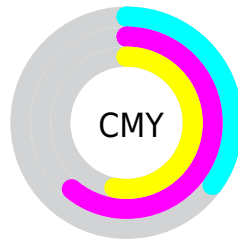
- Red (65%)
- Green (39%)
- Blue (47%)



- Red (65%)
- Yellow (39%)
- Blue (47%)



- Cyan (0%)
- Magenta (41%)
- Yellow (29%)
- Black (35%)



- Cyan (35%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7280, 18.4711, 19.7674 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 23.7280, 18.4711, 19.7674 by changing the saturation by 10% instead.

■ 23.7280, 18.4711,
19.7674

■ 23.7280, 18.4711,
19.7674

263.9085,
243.5132, 263.2156

■ 15.2556, 11.2887,
12.0437

■ 49.0439, 40.8384,
43.8807

■ 9.0865, 6.2614,
6.6505

■ 66.6181, 56.7922,
61.1074

■ 4.8552, 3.0047,
3.1694

■ 87.9570, 76.4386,
82.3388

■ 2.1964, 1.1342,
1.1818

■ 113.4258,
100.1619, 107.9934

■ 0.7409, 0.0069,
0.0000

143.3901,
128.3467, 138.4899

■ 0.0000, 0.0000,
0.0000

178.2150,

161.3772, 174.2467

218.2660,
199.6379, 215.6824

■ 23.7280, 18.4711,
19.7674

■ 23.7280, 18.4711,
19.7674

■ 21.6417, 15.3621,
15.7929

■ 26.2303, 22.2713,
24.3143

■ 19.9464, 12.8998,
12.3661

■ 29.1687, 26.7984,
29.4547

■ 18.6167, 11.0385,
9.4619

■ 32.5638, 32.0889,
35.2100


■ 17.6231, 9.7255,
7.0527


■ 36.4345, 38.1759,
41.6000


■ 16.9316, 8.8984,
5.1079


■ 40.7983, 45.0907,
48.6437

 16.4932, 8.4382,
3.6775

 45.6722, 52.8628,
56.3594

 51.0722, 61.5202,
64.7643

 57.0135, 71.0898,
73.8754

 63.5108, 81.5973,
83.7089

Harmonies

Analogous

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



22.9006, 18.4711, 28.7938



23.7280, 18.4711, 19.7674



22.7565, 18.4711, 12.9261

Triad

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



23.7280, 18.4711, 19.7674



14.8251, 18.4711, 9.3319



15.0130, 18.4711, 37.5688

Complementary

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



23.7280, 18.4711, 19.7674



24.2317, 32.3972, 32.5817

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.



13.2155, 18.4711, 29.5629



23.7280, 18.4711, 19.7674



13.1156, 18.4711, 13.3782

Square

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



23.7280, 18.4711, 19.7674



17.4355, 18.4711, 8.0159



12.5598, 18.4711, 20.4604



17.6775, 18.4711, 40.6230

Rectangle

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



23.7280, 18.4711, 19.7674



21.2751, 18.4711, 10.0679



12.5598, 18.4711, 20.4604



14.2981, 18.4711, 35.2760

Sweetspot

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



23.7285, 18.4720, 19.7678



57.3531, 55.9569, 61.4395



23.3987, 17.8808, 38.7775



12.6595, 12.2486, 13.4546



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.



23.7285, 18.4720, 19.7678



39.0413, 27.9290, 28.8361



24.0498, 20.8385, 14.5602



7.6185, 7.5773, 8.3082



12.6398, 6.4646, 2.9149



0.3296, 0.1661, 0.1870

Inverse Universe

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



23.7285, 18.4720, 19.7678



39.0413, 27.9290, 28.8361



23.5782, 28.3570, 40.7902



7.6185, 7.5773, 8.3082



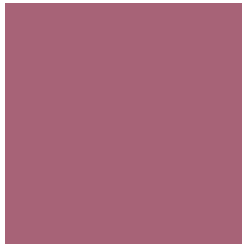
12.6398, 6.4646, 2.9149



0.3296, 0.1661, 0.1870

Previews

White Background



This preview shows how the XYZ color 23.7280, 18.4711, 19.7674 looks on a white background.

Color Contrast Check

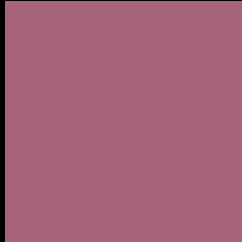
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 23.7280, 18.4711, 19.7674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

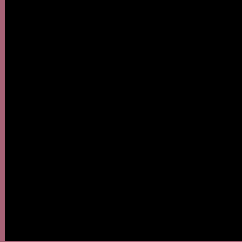
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7280, 18.4711, 19.7674

Background



This preview shows how black text looks on a background with the XYZ color 23.7280, 18.4711, 19.7674.



This preview shows how white text looks on a background with the XYZ color 23.7280, 18.4711,

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

23.7280, 18.4711, 19.7674

Protanopia

18.1648, 18.6839, 24.1217

Deuteranopia

18.9135, 18.6573, 19.1274



Tritanopia

23.0863, 18.4971, 16.5409

Trichromacy



Original Color

23.7280, 18.4711, 19.7674

Protanomaly

19.7783, 18.3549, 22.5791

Deuteranomaly

20.4639, 18.4560, 19.3134

Tritanomaly

23.2077, 18.3912, 17.6559

Monochromacy



Original Color

23.7280, 18.4711, 19.7674

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.9497, 18.8184, 20.6700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7280, 18.4711, 19.7674 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, 99, 119)` looks like.

```
.text, #text, p{  
    color:rgb(167, 99, 119)  
}
```

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, 99, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 99, 119) }
```

Border

The CSS property to change the border of an element to XYZ 23.7280, 18.4711, 19.7674 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, 99, 119) }
```


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

```
.border{ border-color:rgb(167, 99, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 99, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 99, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 99, 119);  
box-shadow:4px 4px 4px 4px rgb(167, 99,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7280, 18.4711, 19.7674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 99, 119) }
```

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

```
.background{ background-color: rgb(167, 99,  
119) }
```

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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