

Converting Colors

XYZ(19.5201, 10.8099, 19.7132)

Have a look what the booklet for
XYZ(19.5201, 10.8099, 19.7132)
contains.

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Color

**XYZ(19.4723, 10.8025,
19.7977)**

Conversions

Conversions Part 1

Format	Color
Hex	A3297B
RGB	163, 41, 123
RGB Percent	64%, 16%, 48%
CMY	0.3608, 0.8392, 0.5176
CMYK	0.00, 0.75, 0.25, 0.36
HSL	320°, 60%, 40%
HSV	320°, 75%, 64%
XYZ	19.4723, 10.8025, 19.7977
YIQ	86.8260, 46.3900, 51.3660

Conversions

Conversions Part 2

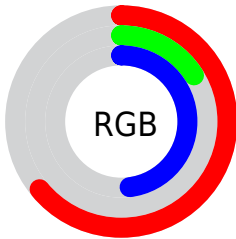
Format	Color
RYB	163, 41, 123
Decimal	10692987
CIELab	39.25, 56.63, -18.05
CIElCh	39, 59.436, 342.317
Yxy	10.8025, 0.3889, 0.2157
Android (android.graphics.Color)	4288883067 (0xFFA3297B)
YUV	86.8260, 17.8338, 66.8046
Hunter-Lab	32.8672, 48.2356, -12.7066

Details

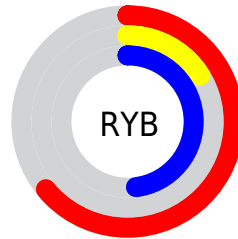
The XYZ color **19.4723, 10.8025, 19.7977** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.4975, 27.2601, 12.2311**, and the grayscale version is **8.9785, 9.4461, 10.2868**.

A 20% lighter version of the original color is **42.0229, 27.2421, 44.1177**, and **7.2994, 3.6202, 6.7926** is the 20% darker color. If you saturate the color by 10%, you get **18.6953, 9.7692, 17.9328**, and if you desaturate by 10%, it is **20.5017, 12.3110, 21.8370**.

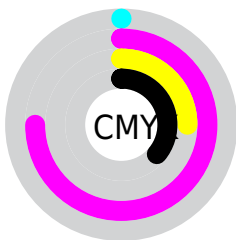
Distribution



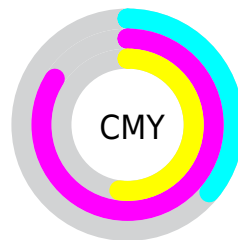
- Red (64%)
- Green (16%)
- Blue (48%)



- Red (64%)
- Yellow (16%)
- Blue (48%)



- Cyan (0%)
- Magenta (75%)
- Yellow (25%)
- Black (36%)



- Cyan (36%)
- Magenta (84%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4723, 10.8025, 19.7977 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 19.4723, 10.8025, 19.7977 by changing the saturation by 10% instead.

■ 19.4723, 10.8025,
19.7977

■ 19.4723, 10.8025,
19.7977

241.9322,
196.3075, 263.3857

■ 12.1181, 5.9342,
12.0655

■ 42.0414, 27.2944,
43.9323

■ 6.8969, 2.8051,
6.6652

■ 57.9870, 39.6867,
61.1717

■ 3.4435, 1.0308,
3.1784

■ 77.5270, 55.3559,
82.4172

■ 1.3924, 0.0000,
1.1864

■ 101.0270, 74.6862,
108.0874

■ 0.2508, 0.0000,
0.0000

■ 128.8521, 98.0622,
138.6008

■ 0.0000, 0.0000,
0.0000

■ 161.3678,

125.8681, 174.3760

198.9394,
158.4884, 215.8314

■ 19.4723, 10.8025,
19.7977

■ 19.4723, 10.8025,
19.7977

■ 18.6953, 9.7692,
17.9328

■ 20.5017, 12.3110,
21.8370

■ 18.1375, 9.1459,
16.2296

■ 21.8084, 14.3446,
24.0602

■ 17.8945, 8.9026,
15.4001

■ 23.4154, 16.9485,
26.4764

■ 25.3428, 20.1628,
29.0937

■ 27.6091, 24.0239,
31.9194

■ 30.2312, 28.5652,
34.9605

■ 33.2250, 33.8179,
38.2235

■ 36.6051, 39.8112,
41.7147

■ 40.3856, 46.5727,
45.4397

Harmonies

Analogous

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



16.3618, 10.8025, 36.7102



19.4723, 10.8025, 19.7977



19.7591, 10.8025, 7.6625

Triad

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



19.4723, 10.8025, 19.7977



8.7132, 10.8025, 0.6710



5.5673, 10.8025, 33.6848

Complementary

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



19.4723, 10.8025, 19.7977



15.4975, 27.2601, 12.2311

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.



4.4390, 10.8025, 17.1121



19.4723, 10.8025, 19.7977



5.9126, 10.8025, 1.8378

Square

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



19.4723, 10.8025, 19.7977



12.7842, 10.8025, 0.7717



4.5464, 10.8025, 6.2617



8.1048, 10.8025, 47.6830

Rectangle

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



19.4723, 10.8025, 19.7977



18.2315, 10.8025, 3.4811



4.5464, 10.8025, 6.2617



5.0443, 10.8025, 27.8965

Sweetspot

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



19.4726, 10.8031, 19.7979



50.5288, 44.8897, 58.4546



10.6820, 5.9206, 35.2301



11.0929, 9.6419, 12.8242



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.



19.4726, 10.8031, 19.7979



32.7620, 16.6636, 30.0039



16.8052, 9.7361, 5.7511



7.2651, 7.1625, 8.3823



13.9289, 6.9276, 12.0821



0.3130, 0.1537, 0.3609

Inverse Universe

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



19.4726, 10.8031, 19.7979



32.7620, 16.6636, 30.0039



18.7925, 28.5782, 29.5827



7.2651, 7.1625, 8.3823



13.9289, 6.9276, 12.0821



0.3130, 0.1537, 0.3609

Previews

White Background



This preview shows how the XYZ color 19.4723, 10.8025, 19.7977 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 19.4723, 10.8025, 19.7977

Background



This preview shows how black text looks on a background with the XYZ color 19.4723, 10.8025, 19.7977.



This preview shows how white text looks on a background with the XYZ color 19.4723, 10.8025,

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

19.4723, 10.8025, 19.7977

Protanopia

12.2493, 11.1149, 35.6822

Deuteranopia

11.2939, 11.1394, 18.0779



Tritanopia

16.6136, 10.8597, 5.9231

Trichromacy



Original Color

19.4723, 10.8025, 19.7977

Protanomaly

12.8734, 9.5559, 29.1829

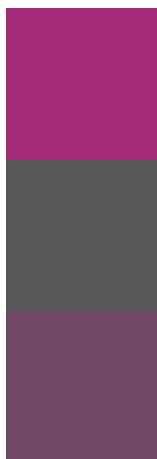
Deuteranomaly

13.0484, 9.8789, 18.6719

Tritanomaly

17.4100, 10.6757, 9.7373

Monochromacy



Original Color

19.4723, 10.8025, 19.7977

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.5606, 8.9453, 13.1739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4723, 10.8025, 19.7977 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(163, 41, 123)` looks like.

```
.text, #text, p{  
    color:rgb(163, 41, 123)  
}
```

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(163, 41, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 41, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.4723, 10.8025, 19.7977 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(163, 41, 123) }
```


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

```
.border{ border-color:rgb(163, 41, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 41, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 41, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 41, 123);  
box-shadow:4px 4px 4px 4px rgb(163, 41,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4723, 10.8025, 19.7977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 41, 123) }
```

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

```
.background{ background-color: rgb(163, 41,  
123) }
```

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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