

Converting Colors

XYZ(19.3112, 9.6908, 21.5024)

Have a look what the booklet for
XYZ(19.3112, 9.6908, 21.5024)
contains.

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Color

**XYZ(19.4038, 9.7404,
21.6263)**

Conversions

Conversions Part 1

Format	Color
Hex	A40C81
RGB	164, 12, 129
RGB Percent	64%, 5%, 51%
CMY	0.3569, 0.9529, 0.4941
CMYK	0.00, 0.93, 0.21, 0.36
HSL	314°, 86%, 35%
HSV	314°, 93%, 64%
XYZ	19.4038, 9.7404, 21.6263
YIQ	70.7860, 53.0350, 68.6110

Conversions

Conversions Part 2

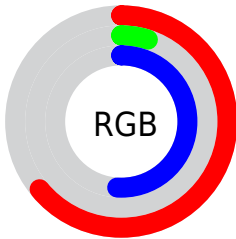
Format	Color
RYB	164, 12, 129
Decimal	10751105
CIELab	37.37, 64.36, -24.67
CIELCh	37, 68.923, 339.027
Yxy	9.7404, 0.3822, 0.1919
Android (android.graphics.Color)	4288941185 (0xFFA40C81)
YUV	70.7860, 28.6995, 81.7487
Hunter-Lab	31.2096, 56.3611, -19.2375

Details

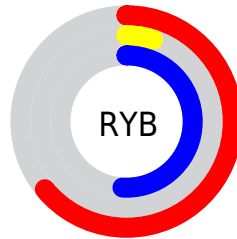
The XYZ color **19.4038, 9.7404, 21.6263** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.9409, 26.8348, 7.1359**, and the grayscale version is **5.9015, 6.2089, 6.7614**.

A 20% lighter version of the original color is **42.0452, 25.4060, 46.9438**, and **7.4747, 3.6903, 7.7155** is the 20% darker color. If you saturate the color by 10%, you get **19.0910, 9.4050, 20.6268**, and if you desaturate by 10%, it is **19.9534, 10.4303, 23.0712**.

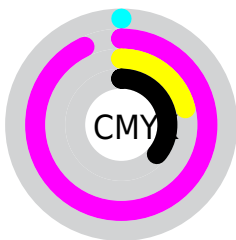
Distribution



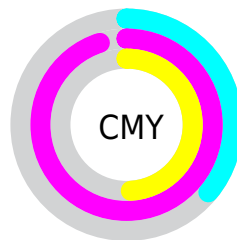
- Red (64%)
- Green (5%)
- Blue (51%)



- Red (64%)
- Yellow (5%)
- Blue (51%)



- Cyan (0%)
- Magenta (93%)
- Yellow (21%)
- Black (36%)



- Cyan (36%)
- Magenta (95%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4038, 9.7404, 21.6263 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 19.4038, 9.7404, 21.6263 by changing the saturation by 10% instead.

■ 19.4038, 9.7404,
21.6263

■ 19.4038, 9.7404,
21.6263

241.5645,
188.8091, 273.4780

■ 12.0681, 5.2272,
13.3869

■ 41.9269, 25.3061,
47.0218

■ 6.8626, 2.3812,
7.5616

■ 57.8451, 37.1273,
65.0150

■ 3.4219, 0.8162,
3.7320

■ 77.3549, 52.1533,
87.0965

■ 1.3806, 0.0000,
1.4795

■ 100.8216, 70.7685,
113.6849

■ 0.2423, 0.0000,
0.2026

■ 128.6105, 93.3573,
145.1987

■ 0.0000, 0.0000,
0.0000

■ 161.0871,

120.3041, 182.0565

198.6166,
151.9932, 224.6767

■ 19.4038, 9.7404,
21.6263

■ 19.4038, 9.7404,
21.6263

■ 19.0910, 9.4050,
20.6268

■ 19.9534, 10.4303,
23.0712

■ 20.7248, 11.5487,
24.6363

■ 21.7483, 13.1564,
26.3321

■ 23.0495, 15.3039,
28.1677

■ 24.6503, 18.0354,
30.1509

■ 26.5707, 21.3904,
32.2887

■ 28.8289, 25.4053,
34.5876

■ 31.4416, 30.1132,
37.0538

■ 34.4245, 35.5455,
39.6928

Harmonies

Analogous

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



15.5481, 9.7404, 41.9792



19.4038, 9.7404, 21.6263



20.1472, 9.7404, 7.2889

Triad

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



19.4038, 9.7404, 21.6263



8.0128, 9.7404, 0.0000



4.1816, 9.7404, 33.8010

Complementary

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



19.4038, 9.7404, 21.6263



13.9409, 26.8348, 7.1359

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.



3.2318, 9.7404, 14.8012



19.4038, 9.7404, 21.6263



4.9447, 9.7404, 0.7615

Square

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



19.4038, 9.7404, 21.6263



12.5671, 9.7404, 0.0055



3.4592, 9.7404, 4.1583



6.5876, 9.7404, 52.0472

Rectangle

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



19.4038, 9.7404, 21.6263



18.6061, 9.7404, 2.7358



3.4592, 9.7404, 4.1583



3.7218, 9.7404, 26.8800

Sweetspot

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



19.4041, 9.7409, 21.6265



49.8533, 41.6998, 60.3031



7.9124, 3.5004, 35.3809



10.5472, 8.4940, 12.8165



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.



19.4041, 9.7409, 21.6265



34.5699, 17.0382, 37.0030



16.1331, 8.4325, 4.4016



7.2942, 7.1741, 8.5358



14.6566, 7.2187, 15.9144



0.3242, 0.1582, 0.4197

Inverse Universe

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



19.4041, 9.7409, 21.6265



34.5699, 17.0382, 37.0030



16.8748, 28.0084, 22.5861



7.2942, 7.1741, 8.5358



14.6566, 7.2187, 15.9144



0.3242, 0.1582, 0.4197

Previews

White Background



This preview shows how the XYZ color 19.4038, 9.7404, 21.6263 looks on a white background.

Color Contrast Check

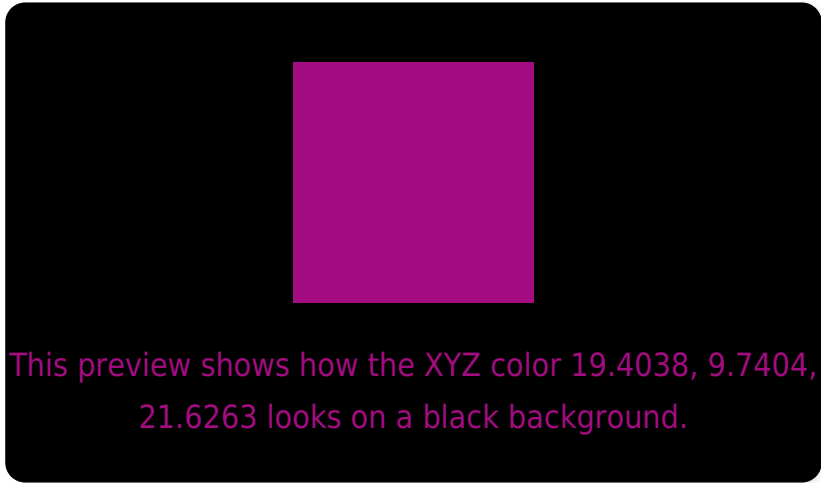
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

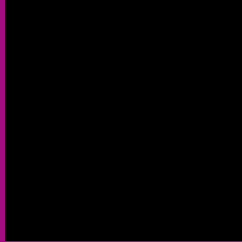
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4038, 9.7404, 21.6263

Background



This preview shows how black text looks on a background with the XYZ color 19.4038, 9.7404, 21.6263.



This preview shows how white text looks on a background with the XYZ color 19.4038, 9.7404,

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

19.4038, 9.7404, 21.6263

Protanopia

12.1826, 10.3644, 45.6144

Deuteranopia

10.4169, 10.2746, 19.5233



Tritanopia

15.9944, 9.9914, 4.5756

Trichromacy



Original Color

19.4038, 9.7404, 21.6263



Protanomaly

11.0508, 7.3319, 35.4831



Deuteranomaly

11.8624, 8.1722, 20.0210



Tritanomaly

16.6440, 9.3908, 8.7200

Monochromacy



Original Color

19.4038, 9.7404, 21.6263



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

8.8981, 6.0572, 10.8254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4038, 9.7404, 21.6263 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(164, 12, 129)` looks like.

```
.text, #text, p{  
  color:rgb(164, 12, 129)  
}
```

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(164, 12, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 12, 129) }
```

Border

The CSS property to change the border of an element to XYZ 19.4038, 9.7404, 21.6263 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(164, 12, 129) }
```


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

```
.border{ border-color:rgb(164, 12, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 12, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 12, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 12, 129);  
box-shadow:4px 4px 4px 4px rgb(164, 12,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4038, 9.7404, 21.6263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 12, 129) }
```

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

```
.background{ background-color: rgb(164, 12,  
129) }
```

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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