

Converting Colors

XYZ(19.1900, 12.3316, 19.9543)

Have a look what the booklet for
XYZ(19.1900, 12.3316, 19.9543)
contains.

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Color

**XYZ(19.1757, 12.2786,
20.0982)**

Conversions

Conversions Part 1

Format	Color
Hex	9C417B
RGB	156, 65, 123
RGB Percent	61%, 25%, 48%
CMY	0.3882, 0.7451, 0.5176
CMYK	0.00, 0.58, 0.21, 0.39
HSL	322°, 41%, 43%
HSV	322°, 58%, 61%
XYZ	19.1757, 12.2786, 20.0982
YIQ	98.8210, 35.6180, 37.3300

Conversions

Conversions Part 2

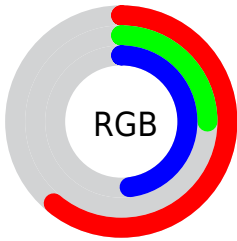
Format	Color
R_{YB}	156, 65, 123
Decimal	10240379
CIE _{Lab}	41.66, 44.74, -14.47
CIE _{LCh}	42, 47.018, 342.077
Yxy	12.2786, 0.3720, 0.2382
Android (android.graphics.Color)	4288430459 (0xFF9C417B)
YUV	98.8210, 11.9202, 50.1460
Hunter-Lab	35.0408, 36.3606, -9.4781

Details

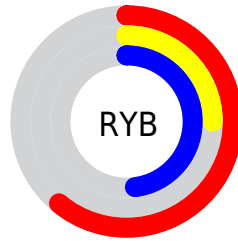
The XYZ color **19.1757, 12.2786, 20.0982** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.2736, 25.7829, 15.6754**, and the grayscale version is **11.7799, 12.3934, 13.4964**.

A 20% lighter version of the original color is **41.6383, 30.0033, 44.6709**, and **6.7698, 3.4277, 6.7834** is the 20% darker color. If you saturate the color by 10%, you get **18.0567, 10.5910, 18.0281**, and if you desaturate by 10%, it is **20.5632, 14.4702, 22.3590**.

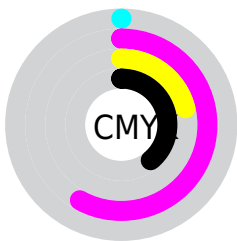
Distribution



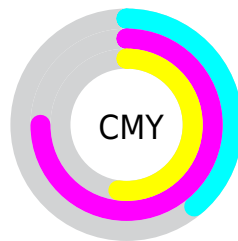
- Red (61%)
- Green (25%)
- Blue (48%)



- Red (61%)
- Yellow (25%)
- Blue (48%)



- Cyan (0%)
- Magenta (58%)
- Yellow (21%)
- Black (39%)



- Cyan (39%)
- Magenta (75%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1757, 12.2786, 20.0982 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 19.1757, 12.2786, 20.0982 by changing the saturation by 10% instead.

■ 19.1757, 12.2786,
20.0982

■ 19.1757, 12.2786,
20.0982

240.3365,
206.2411, 265.0680

■ 11.9021, 6.9337,
12.2817

■ 41.5454, 30.0015,
44.4429

■ 6.7487, 3.4207,
6.8109

■ 57.3721, 43.1483,
61.8081

■ 3.3504, 1.3551,
3.2675

■ 76.7806, 59.6646,
83.1933

■ 1.3417, 0.1833,
1.2328

■ 100.1361, 79.9346,
109.0171

■ 0.2141, 0.0000,
0.0057

■ 127.8042,
104.3429, 139.6979

■ 0.0000, 0.0000,
0.0000

160.1500,

133.2738, 175.6543

197.5390,
167.1117, 217.3048

■ 19.1757, 12.2786,
20.0982

■ 19.1757, 12.2786,
20.0982

■ 18.0567, 10.5910,
18.0281

■ 20.5632, 14.4702,
22.3590

■ 17.1839, 9.3637,
16.1393

■ 22.2370, 17.2012,
24.8178

■ 16.5329, 8.5484,
14.4220

■ 24.2146, 20.5060,
27.4822

■ 16.0568, 8.0518,
12.8587

■ 26.5117, 24.4154,
30.3588

■ 15.9828, 7.9769,
12.6087

■ 29.1429, 28.9582,
33.4542

■ 32.1218, 34.1611,
36.7744

■ 35.4613, 40.0496,
40.3251

■ 39.1737, 46.6474,
44.1119

■ 43.2706, 53.9775,
48.1402

Harmonies

Analogous

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



16.6960, 12.2786, 32.9721



19.1757, 12.2786, 20.0982



19.4202, 12.2786, 9.7799

Triad

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



19.1757, 12.2786, 20.0982



10.3386, 12.2786, 2.0758



7.4119, 12.2786, 30.5376

Complementary

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



19.1757, 12.2786, 20.0982



16.2736, 25.7829, 15.6754

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.



6.3175, 12.2786, 17.7444



19.1757, 12.2786, 20.0982



7.7705, 12.2786, 3.6534

Square

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



19.1757, 12.2786, 20.0982



13.8299, 12.2786, 2.2238



6.4343, 12.2786, 8.3399



9.7484, 12.2786, 40.7614

Rectangle

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



19.1757, 12.2786, 20.0982



18.2311, 12.2786, 5.6134



6.4343, 12.2786, 8.3399



6.9094, 12.2786, 26.1866

Sweetspot

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



19.1761, 12.2792, 20.0984



48.6000, 45.1128, 55.6808



12.8055, 8.7149, 32.4597



10.5142, 9.6182, 12.0342



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.1761, 12.2792, 20.0984



32.2662, 18.4702, 31.6617



16.9996, 11.4086, 8.6375



6.8020, 6.7137, 7.8083



13.1820, 6.5774, 10.4752



0.2553, 0.1255, 0.2908

Inverse Universe

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



19.1761, 12.2792, 20.0984



32.2662, 18.4702, 31.6617



18.9777, 26.8645, 29.9146



6.8020, 6.7137, 7.8083



13.1820, 6.5774, 10.4752



0.2553, 0.1255, 0.2908

Previews

White Background



This preview shows how the XYZ color 19.1757, 12.2786, 20.0982 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

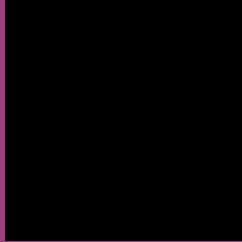
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.1757, 12.2786, 20.0982

Background



This preview shows how black text looks on a background with the XYZ color 19.1757, 12.2786, 20.0982.



This preview shows how white text looks on a background with the XYZ color 19.1757, 12.2786,

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

19.1757, 12.2786, 20.0982

Protanopia

13.0208, 12.4498, 29.3205

Deuteranopia

12.6903, 12.5100, 18.8854



Tritanopia

16.9129, 12.2867, 9.0696

Trichromacy



Original Color

19.1757, 12.2786, 20.0982

Protanomaly

14.1426, 11.5832, 25.5351

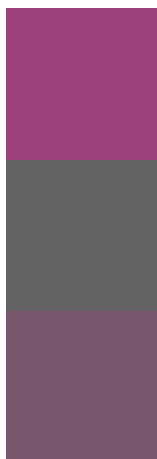
Deuteranomaly

14.3844, 11.8461, 19.2977

Tritanomaly

17.5014, 12.1233, 12.4839

Monochromacy



Original Color

19.1757, 12.2786, 20.0982

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.8607, 11.8922, 15.7522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1757, 12.2786, 20.0982 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(156, 65, 123)` looks like.

```
.text, #text, p{  
    color:rgb(156, 65, 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(156, 65, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 65, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.1757, 12.2786, 20.0982 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(156, 65, 123) }
```


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

```
.border{ border-color:rgb(156, 65, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 65, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 65, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 65, 123);  
box-shadow:4px 4px 4px 4px rgb(156, 65,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1757, 12.2786, 20.0982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 65, 123) }
```

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

```
.background{ background-color: rgb(156, 65,  
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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