

Converting Colors

XYZ(19.1147, 12.2858, 18.1012)

Have a look what the booklet for
XYZ(19.1147, 12.2858, 18.1012)
contains.

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Color

**XYZ(19.2017, 12.3340,
18.1983)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4175
RGB	158, 65, 117
RGB Percent	62%, 25%, 46%
CMY	0.3804, 0.7451, 0.5412
CMYK	0.00, 0.59, 0.26, 0.38
HSL	326°, 42%, 44%
HSV	326°, 59%, 62%
XYZ	19.2017, 12.3340, 18.1983
YIQ	98.7350, 38.7360, 35.8880

Conversions

Conversions Part 2

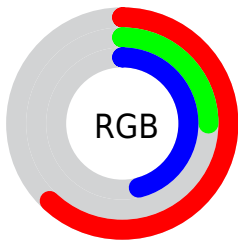
Format	Color
R_{YB}	158, 65, 117
Decimal	10371445
CIE _{Lab}	41.74, 44.50, -10.61
CIE _{LCh}	42, 45.744, 346.586
Yxy	12.3340, 0.3861, 0.2480
Android (android.graphics.Color)	4288561525 (0xFF9E4175)
YUV	98.7350, 9.0046, 51.9754
Hunter-Lab	35.1198, 36.1350, -6.1389

Details

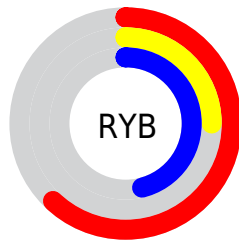
The XYZ color **19.2017, 12.3340, 18.1983** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.0089, 26.6185, 17.8783**, and the grayscale version is **11.7648, 12.3775, 13.4791**.

A 20% lighter version of the original color is **41.5471, 30.0342, 41.1435**, and **6.7220, 3.4218, 5.9364** is the 20% darker color. If you saturate the color by 10%, you get **18.0238, 10.6094, 15.8596**, and if you desaturate by 10%, it is **20.6645, 14.5794, 20.7826**.

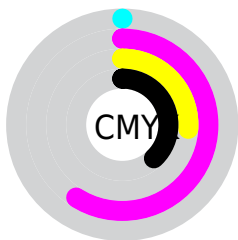
Distribution



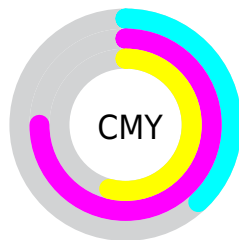
- Red (62%)
- Green (25%)
- Blue (46%)



- Red (62%)
- Yellow (25%)
- Blue (46%)



- Cyan (0%)
- Magenta (59%)
- Yellow (26%)
- Black (38%)



- Cyan (38%)
- Magenta (75%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2017, 12.3340, 18.1983 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 19.2017, 12.3340, 18.1983 by changing the saturation by 10% instead.

19.2017, 12.3340,
18.1983

19.2017, 12.3340,
18.1983

240.4768,
206.6041, 254.2599

11.9210, 6.9716,
10.9215

41.5889, 30.1020,
41.1934

6.7617, 3.4443,
5.9006

57.4261, 43.2763,
57.7489

3.3585, 1.3679,
2.7169

76.8461, 59.8234,
78.2343

1.3461, 0.1929,
0.9519

100.2144, 80.1277,
103.0682

0.2173, 0.0000,
0.0000

127.8962,
104.5735, 132.6692

0.0000, 0.0000,
0.0000

160.2570,

133.5452, 167.4558

197.6621,
167.4273, 207.8465

■ 19.2017, 12.3340,
18.1983

■ 19.2017, 12.3340,
18.1983

■ 18.0238, 10.6094,
15.8596

■ 20.6645, 14.5794,
20.7826

■ 17.1074, 9.3601,
13.7551

■ 22.4310, 17.3825,
23.6216

■ 16.4266, 8.5354,
11.8729

■ 24.5196, 20.7790,
26.7245

■ 15.9291, 8.0319,
10.1921

■ 26.9469, 24.8011,
30.1000

■ 15.8762, 7.9794,
10.0102

■ 29.7281, 29.4785,
33.7559

■ 32.8779, 34.8392,
37.6999

■ 36.4096, 40.9095,
41.9392

■ 40.3363, 47.7141,
46.4809

■ 44.6701, 55.2769,
51.3316

Harmonies

Analogous

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



17.0733, 12.3340, 30.5930



19.2017, 12.3340, 18.1983



19.0733, 12.3340, 8.8081

Triad

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



19.2017, 12.3340, 18.1983



9.9731, 12.3340, 2.3538



7.8182, 12.3340, 31.8645

Complementary

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



19.2017, 12.3340, 18.1983



17.0089, 26.6185, 17.8783

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.



6.5553, 12.3340, 19.4373



19.2017, 12.3340, 18.1983



7.6267, 12.3340, 4.3017

Square

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



19.2017, 12.3340, 18.1983



13.2875, 12.3340, 2.2718



6.4927, 12.3340, 9.5765



10.2866, 12.3340, 40.6839

Rectangle

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



19.2017, 12.3340, 18.1983



17.7170, 12.3340, 5.1418



6.4927, 12.3340, 9.5765



7.2611, 12.3340, 27.7609

Sweetspot

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



19.2021, 12.3346, 18.1985



49.1753, 45.4395, 54.9850



13.9235, 9.2714, 33.4035



10.7952, 9.7584, 12.0008



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.2021, 12.3346, 18.1985



32.0918, 18.3717, 27.4045



17.1351, 11.5078, 7.3138



6.7805, 6.7051, 7.6953



12.7353, 6.3987, 8.1228



0.2488, 0.1228, 0.2563

Inverse Universe

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



19.2021, 12.3346, 18.1985



32.0918, 18.3717, 27.4045



20.0583, 27.8382, 33.9363



6.7805, 6.7051, 7.6953



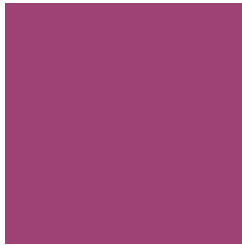
12.7353, 6.3987, 8.1228



0.2488, 0.1228, 0.2563

Previews

White Background



This preview shows how the XYZ color 19.2017, 12.3340, 18.1983 looks on a white background.

Color Contrast Check

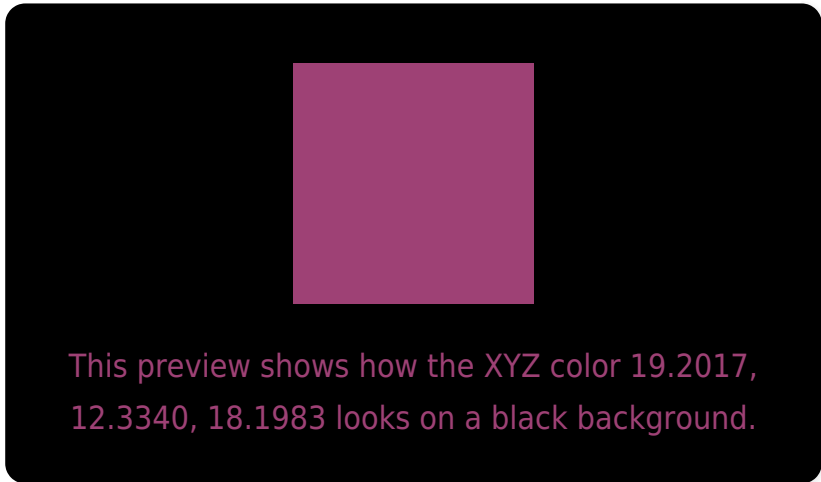
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2017, 12.3340, 18.1983

Background



This preview shows how black text looks on a background with the XYZ color 19.2017, 12.3340, 18.1983.



This preview shows how white text looks on a background with the XYZ color 19.2017, 12.3340,

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

19.2017, 12.3340, 18.1983

Protanopia

12.9391, 12.6072, 26.5624

Deuteranopia

12.7928, 12.6028, 17.0876



Tritanopia

17.3776, 12.4306, 8.8806

Trichromacy



Original Color

19.2017, 12.3340, 18.1983

Protanomaly

14.1747, 11.7663, 23.3538

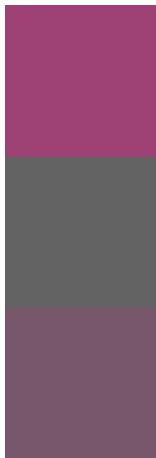
Deuteranomaly

14.4541, 11.9229, 17.4591

Tritanomaly

17.9393, 12.3647, 11.7970

Monochromacy



Original Color

19.2017, 12.3340, 18.1983

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.7554, 11.8501, 15.1980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2017, 12.3340, 18.1983 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(158, 65, 117)` looks like.

```
.text, #text, p{  
  color:rgb(158, 65, 117)  
}
```

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(158, 65, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 65, 117) }
```

Border

The CSS property to change the border of an element to XYZ 19.2017, 12.3340, 18.1983 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(158, 65, 117) }
```


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

```
.border{ border-color:rgb(158, 65, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 65, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 65, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 65, 117);  
box-shadow:4px 4px 4px 4px rgb(158, 65,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2017, 12.3340, 18.1983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 65, 117) }
```

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

```
.background{ background-color: rgb(158, 65,  
117) }
```

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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