

Converting Colors

XYZ(18.0790, 10.3343, 12.7816)

Have a look what the booklet for
XYZ(18.0790, 10.3343, 12.7816)
contains.

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Color

**XYZ(18.0163, 10.3100,
12.8448)**

Conversions

Conversions Part 1

Format	Color
Hex	A22B63
RGB	162, 43, 99
RGB Percent	64%, 17%, 39%
CMY	0.3647, 0.8313, 0.6118
CMYK	0.00, 0.73, 0.39, 0.36
HSL	332°, 58%, 40%
HSV	332°, 73%, 64%
XYZ	18.0163, 10.3100, 12.8448
YIQ	84.9650, 52.9480, 42.6440

Conversions

Conversions Part 2

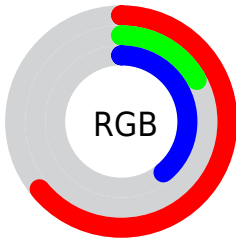
Format	Color
R_{YB}	162, 43, 99
Decimal	10627939
CIE _{Lab}	38.39, 52.77, -4.31
CIE _{LCh}	38, 52.941, 355.333
Yxy	10.3100, 0.4376, 0.2504
Android (android.graphics.Color)	4288818019 (0xFFA22B63)
YUV	84.9650, 6.9193, 67.5597
Hunter-Lab	32.1092, 43.9643, -1.2416

Details

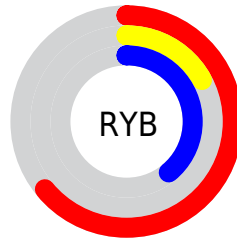
The XYZ color **18.0163, 10.3100, 12.8448** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.5188, 27.3952, 18.0549**, and the grayscale version is **8.6062, 9.0544, 9.8602**.

A 20% lighter version of the original color is **39.7857, 26.4978, 31.8718**, and **6.4683, 3.2603, 3.6565** is the 20% darker color. If you saturate the color by 10%, you get **17.1514, 9.2019, 10.6397**, and if you desaturate by 10%, it is **19.1593, 11.9044, 15.3576**.

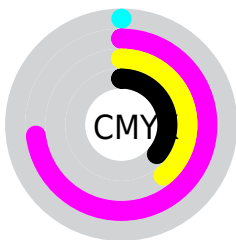
Distribution



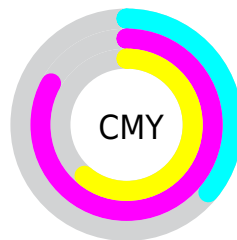
- Red (64%)
- Green (17%)
- Blue (39%)



- Red (64%)
- Yellow (17%)
- Blue (39%)



- Cyan (0%)
- Magenta (73%)
- Yellow (39%)
- Black (36%)



- Cyan (36%)
- Magenta (83%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0163, 10.3100, 12.8448 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 18.0163, 10.3100, 12.8448 by changing the saturation by 10% instead.

18.0163, 10.3100,
12.8448

18.0163, 10.3100,
12.8448

234.0067,
192.8705, 221.0934

11.0614, 5.6050,
7.1923

39.5950, 26.3770,
31.7118

6.1758, 2.6064,
3.5024

54.9495, 38.5077,
45.7633

2.9939, 0.9299,
1.3565

73.8346, 53.8825,
63.4516

1.1506, 0.0000,
0.1075

96.6157, 72.8857,
85.1952

0.0668, 0.0000,
0.0000

123.6581, 95.9017,
111.4126

0.0000, 0.0000,
0.0000

155.3272,

123.3149, 142.5225

191.9882,
155.5097, 178.9432

■ 18.0163, 10.3100,
12.8448

■ 18.0163, 10.3100,
12.8448

■ 17.1514, 9.2019,
10.6397

■ 19.1593, 11.9044,
15.3576

■ 16.5326, 8.5187,
8.7249

■ 20.6055, 14.0336,
18.1928

■ 16.2128, 8.2064,
7.6089

■ 22.3781, 16.7417,
21.3641

■ 24.4976, 20.0680,
24.8845

■ 26.9828, 24.0482,
28.7657

■ 29.8511, 28.7153,
33.0190

■ 33.1187, 34.1000,
37.6552

■ 36.8010, 40.2312,
42.6844

■ 40.9122, 47.1362,
48.1165

Harmonies

Analogous

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



16.3359, 10.3100, 25.8835



18.0163, 10.3100, 12.8448



17.1070, 10.3100, 4.8979

Triad

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



18.0163, 10.3100, 12.8448



7.2246, 10.3100, 1.3189



6.4877, 10.3100, 35.2457

Complementary

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



18.0163, 10.3100, 12.8448



16.5188, 27.3952, 18.0549

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.



4.9407, 10.3100, 21.4835



18.0163, 10.3100, 12.8448



5.2908, 10.3100, 3.5127

Square

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



18.0163, 10.3100, 12.8448



10.3494, 10.3100, 0.9389



4.5604, 10.3100, 9.7490



9.2691, 10.3100, 42.8348

Rectangle

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



18.0163, 10.3100, 12.8448



15.2459, 10.3100, 2.4068



4.5604, 10.3100, 9.7490



5.8343, 10.3100, 30.9018

Sweetspot

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



18.0166, 10.3106, 12.8450



49.4908, 44.4745, 52.9883



13.1514, 7.3093, 34.9001



10.8372, 9.5396, 11.4774



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.



18.0166, 10.3106, 12.8450



30.3897, 15.8506, 17.0923



16.2745, 9.7319, 3.3069



7.2060, 7.1389, 8.0712



12.7943, 6.4738, 6.1075



0.2927, 0.1456, 0.2539

Inverse Universe

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



18.0166, 10.3106, 12.8450



30.3897, 15.8506, 17.0923



20.0919, 28.2698, 38.5801



7.2060, 7.1389, 8.0712



12.7943, 6.4738, 6.1075



0.2927, 0.1456, 0.2539

Previews

White Background



This preview shows how the XYZ color 18.0163, 10.3100, 12.8448 looks on a white background.

Color Contrast Check

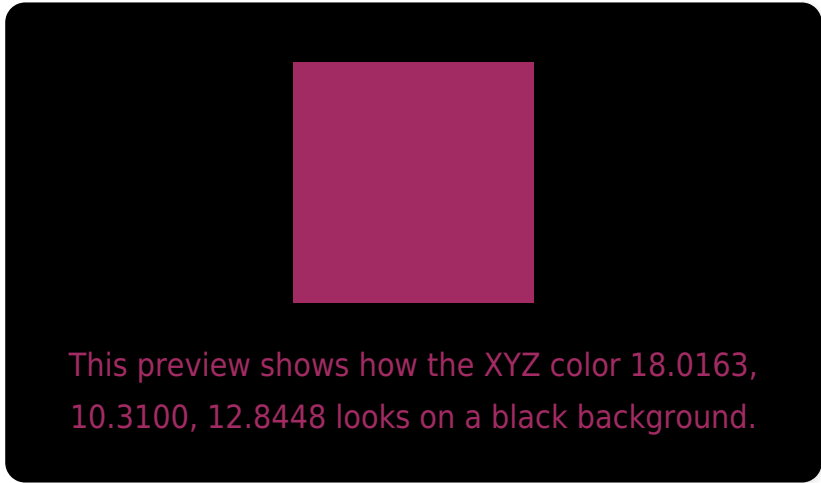
Large Text (above 18pt) WCAG AA ✓ Pass

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

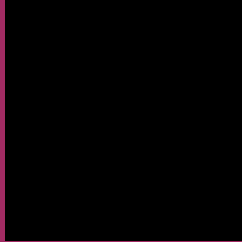
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0163, 10.3100, 12.8448

Background



This preview shows how black text looks on a background with the XYZ color 18.0163, 10.3100, 12.8448.



This preview shows how white text looks on a background with the XYZ color 18.0163, 10.3100,

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

18.0163, 10.3100, 12.8448

Protanopia

10.8431, 10.5596, 22.2356

Deuteranopia

10.8037, 10.6444, 11.8411



Tritanopia

16.3558, 10.3047, 4.9979

Trichromacy



Original Color

18.0163, 10.3100, 12.8448

Protanomaly

11.9592, 9.3243, 18.3090

Deuteranomaly

12.5513, 9.6719, 12.0318

Tritanomaly

16.8075, 10.2227, 7.2182

Monochromacy



Original Color

18.0163, 10.3100, 12.8448

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.8457, 8.6292, 10.7668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0163, 10.3100, 12.8448 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(162, 43, 99)` looks like.

```
.text, #text, p{  
    color:rgb(162, 43, 99)  
}
```

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(162, 43, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 43, 99) }
```

Border

The CSS property to change the border of an element to XYZ 18.0163, 10.3100, 12.8448 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(162, 43, 99) }
```


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

```
.border{ border-color:rgb(162, 43, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 43, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 43, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 43, 99);  
box-shadow:4px 4px 4px 4px rgb(162, 43,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0163, 10.3100, 12.8448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 43, 99) }
```

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

```
.background{ background-color: rgb(162, 43,  
99) }
```

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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