

Converting Colors

XYZ(18.0068, 11.2670, 12.2046)

Have a look what the booklet for
XYZ(18.0068, 11.2670, 12.2046)
contains.

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Color

**XYZ(18.1216, 11.3442,
12.3009)**

Conversions

Conversions Part 1

Format	Color
Hex	A03A60
RGB	160, 58, 96
RGB Percent	63%, 23%, 38%
CMY	0.3725, 0.7725, 0.6235
CMYK	0.00, 0.64, 0.40, 0.37
HSL	338°, 47%, 43%
HSV	338°, 64%, 63%
XYZ	18.1216, 11.3442, 12.3009
YIQ	92.8300, 48.5940, 33.4420

Conversions

Conversions Part 2

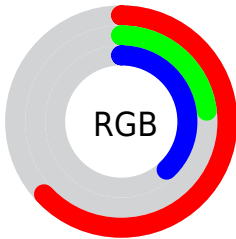
Format	Color
R_{YB}	160, 58, 96
Decimal	10500704
CIE _{Lab}	40.15, 45.73, 0.13
CIE _{LCh}	40, 45.733, 0.167
Yxy	11.3442, 0.4339, 0.2716
Android (android.graphics.Color)	4288690784 (0xFFA03A60)
YUV	92.8300, 1.5628, 58.9081
Hunter-Lab	33.6812, 37.0970, 1.9231

Details

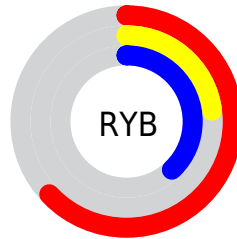
The XYZ color **18.1216, 11.3442, 12.3009** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.8292, 27.4466, 22.7720**, and the grayscale version is **10.3539, 10.8931, 11.8626**.

A 20% lighter version of the original color is **39.7862, 28.3496, 30.5692**, and **6.2846, 3.1733, 3.2989** is the 20% darker color. If you saturate the color by 10%, you get **17.0035, 9.8012, 9.7915**, and if you desaturate by 10%, it is **19.5500, 13.4133, 15.2053**.

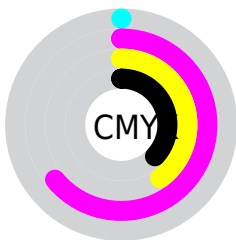
Distribution



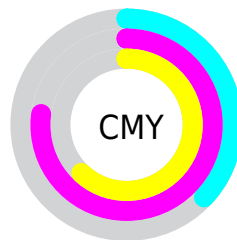
- Red (63%)
- Green (23%)
- Blue (38%)



- Red (63%)
- Yellow (23%)
- Blue (38%)



- Cyan (0%)
- Magenta (64%)
- Yellow (40%)
- Black (37%)



- Cyan (37%)
- Magenta (77%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1216, 11.3442, 12.3009 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 18.1216, 11.3442, 12.3009 by changing the saturation by 10% instead.

18.1216, 11.3442,
12.3009

18.1216, 11.3442,
12.3009

234.5879,
200.0140, 217.4354

11.1375, 6.2988,
6.8239

39.7729, 28.2949,
30.7145

6.2274, 3.0276,
3.2755

55.1708, 40.9691,
44.4882

3.0258, 1.1462,
1.2369

74.1041, 56.9549,
61.8646

1.1674, 0.0171,
0.0093

96.9380, 76.6369,
83.2622

0.0804, 0.0000,
0.0000

124.0380,
100.3994, 109.0995

0.0000, 0.0000,
0.0000

155.7695,

128.6269, 139.7952

192.4976,
161.7036, 175.7676

■ 18.1216, 11.3442,
12.3009

■ 18.1216, 11.3442,
12.3009

■ 17.0035, 9.8012,
9.7915

■ 19.5500, 13.4133,
15.2053

■ 16.1685, 8.7333,
7.6566

■ 21.3109, 16.0497,
18.5221

■ 15.5857, 8.0827,
5.8746

■ 23.4255, 19.2923,
22.2683

■ 15.3024, 7.7957,
4.9184

■ 25.9127, 23.1761,
26.4597

■ 28.7903, 27.7337,
31.1111

■ 32.0747, 32.9950,
36.2367

■ 35.7815, 38.9886,
41.8501

■ 39.9253, 45.7410,
47.9641

■ 44.5201, 53.2777,
54.5912

Harmonies

Analogous

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



17.0007, 11.3442, 23.2659



18.1216, 11.3442, 12.3009



16.9765, 11.3442, 5.4786

Triad

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



18.1216, 11.3442, 12.3009



7.9934, 11.3442, 2.5577



8.0187, 11.3442, 34.6078

Complementary

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



18.1216, 11.3442, 12.3009



17.8292, 27.4466, 22.7720

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.



6.3145, 11.3442, 23.4011



18.1216, 11.3442, 12.3009



6.3020, 11.3442, 5.5302

Square

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



18.1216, 11.3442, 12.3009



10.7645, 11.3442, 1.8145



5.7526, 11.3442, 12.4031



10.8002, 11.3442, 39.4254

Rectangle

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



18.1216, 11.3442, 12.3009



15.1902, 11.3442, 3.1966



5.7526, 11.3442, 12.4031



7.3221, 11.3442, 31.2585

Sweetspot

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



18.1219, 11.3448, 12.3011



49.2495, 45.5519, 51.6380



15.7300, 9.6226, 34.2861



10.5013, 9.5165, 10.8365



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.



18.1219, 11.3448, 12.3011



30.2523, 16.9793, 16.2593



17.4453, 12.1476, 5.4290



6.7301, 6.6850, 7.4300



11.9402, 6.0807, 3.9362



0.2331, 0.1166, 0.1739

Inverse Universe

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



18.1219, 11.3448, 12.3011



30.2523, 16.9793, 16.2593



18.6961, 24.6492, 37.0301



6.7301, 6.6850, 7.4300



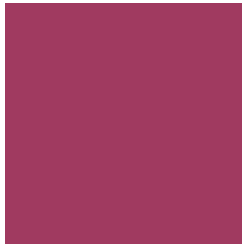
11.9402, 6.0807, 3.9362



0.2331, 0.1166, 0.1739

Previews

White Background



This preview shows how the XYZ color 18.1216, 11.3442, 12.3009 looks on a white background.

Color Contrast Check

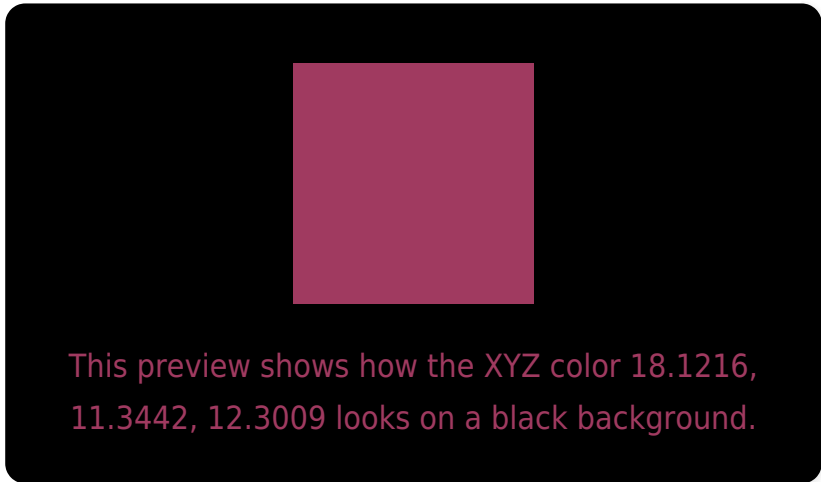
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1216, 11.3442, 12.3009

Background



This preview shows how black text looks on a background with the XYZ color 18.1216, 11.3442, 12.3009.

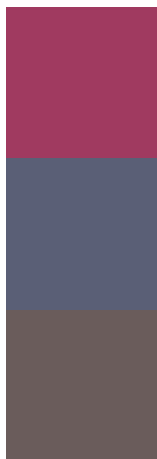


This preview shows how white text looks on a background with the XYZ color 18.1216, 11.3442,

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

18.1216, 11.3442, 12.3009

Protanopia

11.5787, 11.6661, 18.7811

Deuteranopia

11.6593, 11.4738, 11.4977



Tritanopia

16.9773, 11.3532, 6.7654

Trichromacy



Original Color

18.1216, 11.3442, 12.3009

Protanomaly

12.9020, 10.8052, 16.1575

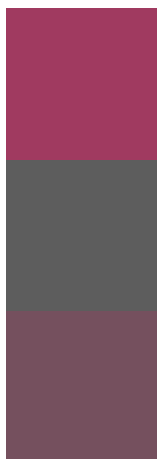
Deuteranomaly

13.4486, 10.9633, 11.7632

Tritanomaly

17.3958, 11.3662, 8.4848

Monochromacy



Original Color

18.1216, 11.3442, 12.3009

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.2252, 10.3274, 11.9387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1216, 11.3442, 12.3009 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(160, 58, 96)` looks like.

```
.text, #text, p{  
    color:rgb(160, 58, 96)  
}
```

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(160, 58, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 58, 96) }
```

Border

The CSS property to change the border of an element to XYZ 18.1216, 11.3442, 12.3009 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(160, 58, 96) }
```


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

```
.border{ border-color:rgb(160, 58, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 58, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 58, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 58, 96);  
box-shadow:4px 4px 4px 4px rgb(160, 58,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1216, 11.3442, 12.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 58, 96) }
```

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

```
.background{ background-color: rgb(160, 58,  
96) }
```

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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