

Converting Colors

XYZ(18.4821, 11.0365, 12.4410)

Have a look what the booklet for
XYZ(18.4821, 11.0365, 12.4410)
contains.

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Color

**XYZ(18.4458, 11.0173,
12.4636)**

Conversions

Conversions Part 1

Format	Color
Hex	A33361
RGB	163, 51, 97
RGB Percent	64%, 20%, 38%
CMY	0.3608, 0.8000, 0.6196
CMYK	0.00, 0.69, 0.40, 0.36
HSL	335°, 52%, 42%
HSV	335°, 69%, 64%
XYZ	18.4458, 11.0173, 12.4636
YIQ	89.7320, 51.9860, 38.0500

Conversions

Conversions Part 2

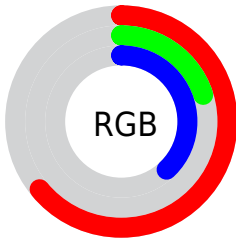
Format	Color
R_{YB}	163, 51, 97
Decimal	10695521
CIE _{Lab}	39.61, 49.79, -1.23
CIE _{LCh}	40, 49.802, 358.585
Yxy	11.0173, 0.4400, 0.2628
Android (android.graphics.Color)	4288885601 (0xFFA33361)
YUV	89.7320, 3.5831, 64.2560
Hunter-Lab	33.1923, 41.1103, 0.9714

Details

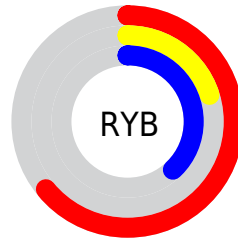
The XYZ color **18.4458, 11.0173, 12.4636** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.6741, 28.1829, 21.3401**, and the grayscale version is **9.6430, 10.1452, 11.0481**.

A 20% lighter version of the original color is **40.1368, 27.5819, 30.8122**, and **6.6609, 3.3648, 3.4304** is the 20% darker color. If you saturate the color by 10%, you get **17.4332, 9.6660, 10.0484**, and if you desaturate by 10%, it is **19.7629, 12.8907, 15.2481**.

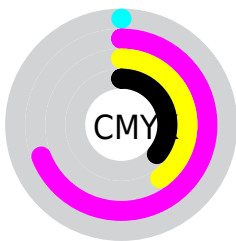
Distribution



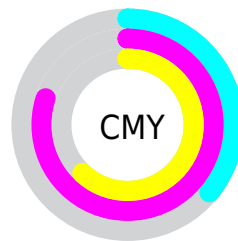
- Red (64%)
- Green (20%)
- Blue (38%)



- Red (64%)
- Yellow (20%)
- Blue (38%)



- Cyan (0%)
- Magenta (69%)
- Yellow (40%)
- Black (36%)



- Cyan (36%)
- Magenta (80%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4458, 11.0173, 12.4636 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 18.4458, 11.0173, 12.4636 by changing the saturation by 10% instead.

■ 18.4458, 11.0173,
12.4636

■ 18.4458, 11.0173,
12.4636

236.3692,
197.7862, 218.5365

■ 11.3721, 6.0785,
6.9339

■ 40.3197, 27.6922,
31.0136

■ 6.3869, 2.8929,
3.3430

■ 55.8506, 40.1970,
44.8710

■ 3.1246, 1.0761,
1.2723

■ 74.9313, 55.9926,
62.3413

■ 1.2200, 0.0000,
0.0389

■ 97.9271, 75.4634,
83.8432

■ 0.1221, 0.0000,
0.0000

■ 125.2035, 98.9937,
109.7951

■ 0.0000, 0.0000,
0.0000

■ 157.1257,

126.9681, 140.6156

194.0592,
159.7707, 176.7232

■ 18.4458, 11.0173,
12.4636

■ 18.4458, 11.0173,
12.4636

■ 17.4332, 9.6660,
10.0484

■ 19.7629, 12.8907,
15.2481

■ 16.6948, 8.7795,
7.9827

■ 21.4089, 15.3323,
18.4188

■ 16.1761, 8.2519,
6.2383

■ 23.4067, 18.3848,
21.9921

■ 16.1156, 8.1911,
6.0325

■ 25.7767, 22.0864,
25.9831

■ 28.5377, 26.4722,
30.4058

■ 31.7071, 31.5748,
35.2737

■ 35.3015, 37.4246,
40.5997

■ 39.3362, 44.0502,
46.3960

■ 43.8261, 51.4788,
52.6743

Harmonies

Analogous

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



17.0879, 11.0173, 24.6155



18.4458, 11.0173, 12.4636



17.3124, 11.0173, 5.0908

Triad

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



18.4458, 11.0173, 12.4636



7.6489, 11.0173, 1.9300



7.4246, 11.0173, 36.0653

Complementary

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



18.4458, 11.0173, 12.4636



17.6741, 28.1829, 21.3401

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.



5.7222, 11.0173, 23.3466



18.4458, 11.0173, 12.4636



5.8307, 11.0173, 4.6524

Square

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



18.4458, 11.0173, 12.4636



10.6336, 11.0173, 1.3328



5.2080, 11.0173, 11.5402



10.3112, 11.0173, 42.0665

Rectangle

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



18.4458, 11.0173, 12.4636



15.4100, 11.0173, 2.7291



5.2080, 11.0173, 11.5402



6.7201, 11.0173, 32.1842

Sweetspot

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



18.4461, 11.0179, 12.4638



49.7119, 45.1792, 52.2525



15.0423, 8.7487, 35.5462



10.8702, 9.6779, 11.2654



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.



18.4461, 11.0179, 12.4638



30.5272, 16.4497, 16.1392



17.3357, 11.2931, 4.3989



7.1887, 7.1319, 7.9803



12.5463, 6.3746, 4.8016



0.2868, 0.1432, 0.2230

Inverse Universe

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



18.4461, 11.0179, 12.4638



30.5272, 16.4497, 16.1392



19.4772, 26.3499, 38.7099



7.1887, 7.1319, 7.9803



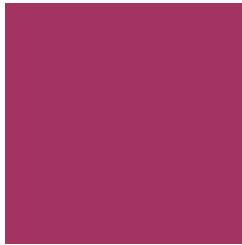
12.5463, 6.3746, 4.8016



0.2868, 0.1432, 0.2230

Previews

White Background



This preview shows how the XYZ color 18.4458, 11.0173, 12.4636 looks on a white background.

Color Contrast Check

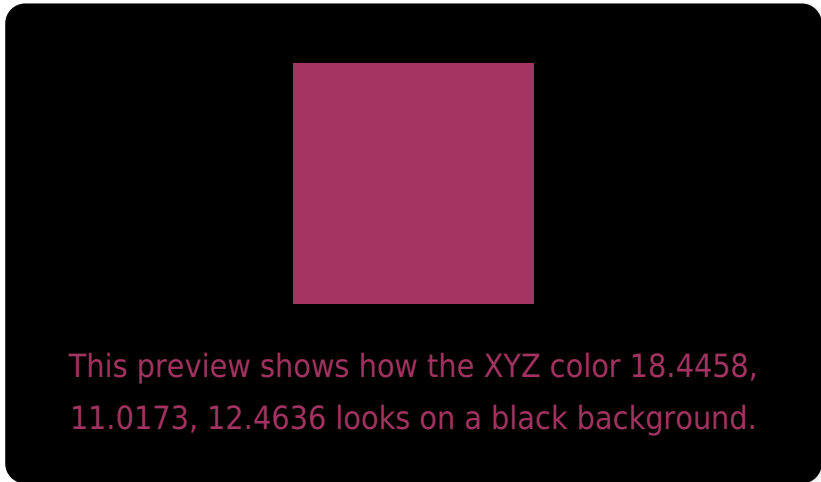
Large Text (above 18pt) WCAG AA ✓ Pass

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

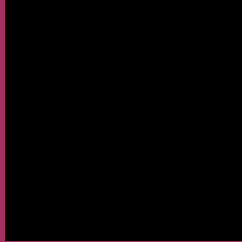
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4458, 11.0173, 12.4636

Background



This preview shows how black text looks on a background with the XYZ color 18.4458, 11.0173, 12.4636.



This preview shows how white text looks on a background with the XYZ color 18.4458, 11.0173,

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

18.4458, 11.0173, 12.4636

Protanopia

11.3273, 11.2372, 20.3109

Deuteranopia

11.3383, 11.1806, 11.4580



Tritanopia

17.1591, 11.0639, 5.9338

Trichromacy



Original Color

18.4458, 11.0173, 12.4636

Protanomaly

12.7011, 10.2411, 17.2269

Deuteranomaly

13.0177, 10.3192, 11.6616

Tritanomaly

17.5845, 11.0177, 7.8564

Monochromacy



Original Color

18.4458, 11.0173, 12.4636

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.8963, 9.7411, 11.6091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4458, 11.0173, 12.4636 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(163, 51, 97)` looks like.

```
.text, #text, p{  
    color:rgb(163, 51, 97)  
}
```

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(163, 51, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 51, 97) }
```

Border

The CSS property to change the border of an element to XYZ 18.4458, 11.0173, 12.4636 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(163, 51, 97) }
```


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

```
.border{ border-color:rgb(163, 51, 97) }
```

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

Here you see how a box with a 4 pixel rgb(163, 51, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 51, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 51, 97);  
box-shadow:4px 4px 4px 4px rgb(163, 51,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4458, 11.0173, 12.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 51, 97) }
```

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

```
.background{ background-color: rgb(163, 51,  
97) }
```

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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