

Converting Colors

XYZ(18.2889, 11.3547, 9.5400)

Have a look what the booklet for
XYZ(18.2889, 11.3547, 9.5400)
contains.

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Color

**XYZ(18.3242, 11.3610,
9.6146)**

Conversions

Conversions Part 1

Format	Color
Hex	A43854
RGB	164, 56, 84
RGB Percent	64%, 22%, 33%
CMY	0.3569, 0.7804, 0.6706
CMYK	0.00, 0.66, 0.49, 0.36
HSL	344°, 49%, 43%
HSV	344°, 66%, 64%
XYZ	18.3242, 11.3610, 9.6146
YIQ	91.4840, 55.3800, 31.6040

Conversions

Conversions Part 2

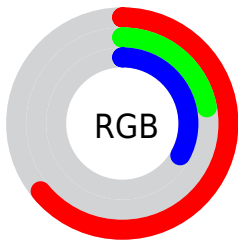
Format	Color
RYB	164, 56, 84
Decimal	10762324
CIELab	40.18, 46.68, 7.80
CIElCh	40, 47.330, 9.491
Yxy	11.3610, 0.4663, 0.2891
Android (android.graphics.Color)	4288952404 (0xFFA43854)
YUV	91.4840, -3.6896, 63.5965
Hunter-Lab	33.7061, 38.0553, 6.6819

Details

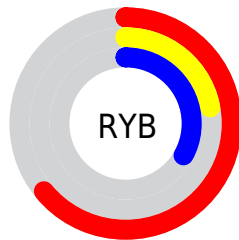
The XYZ color **18.3242, 11.3610, 9.6146** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.3510, 29.1694, 27.9053**, and the grayscale version is **10.0542, 10.5778, 11.5192**.

A 20% lighter version of the original color is **40.1337, 28.3187, 25.5411**, and **6.4296, 3.2723, 2.2122** is the 20% darker color. If you saturate the color by 10%, you get **17.2202, 9.8497, 7.0991**, and if you desaturate by 10%, it is **19.7717, 13.4273, 12.6520**.

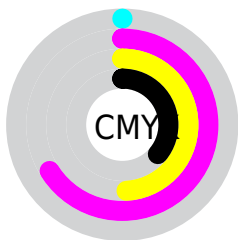
Distribution



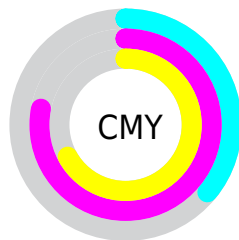
- Red (64%)
- Green (22%)
- Blue (33%)



- Red (64%)
- Yellow (22%)
- Blue (33%)



- Cyan (0%)
- Magenta (66%)
- Yellow (49%)
- Black (36%)





- Cyan (36%)
- Magenta (78%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3242, 11.3610, 9.6146 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 18.3242, 11.3610, 9.6146 by changing the saturation by 10% instead.


 18.3242, 11.3610,
9.6146


 18.3242, 11.3610,
9.6146


235.7025,
200.1278, 198.2827


 11.2841, 6.3102,
5.0419


 40.1147, 28.3258,
25.6644


 6.3270, 3.0346,
2.2127


 55.5959, 41.0086,
37.9787


 3.0874, 1.1498,
0.6817

 74.6214, 57.0042,
53.7105

 1.2002, 0.0201,
0.0000

 97.5567, 76.6970,
73.2785

 0.1065, 0.0000,
0.0000

 124.7671,
100.4713, 97.1011

 0.0000, 0.0000,
0.0000

 156.6180,

128.7116, 125.5970

193.4747,
161.8023, 159.1847

■ 18.3242, 11.3610,
9.6146

■ 18.3242, 11.3610,
9.6146

■ 17.2202, 9.8497,
7.0991

■ 19.7717, 13.4273,
12.6520

■ 16.4280, 8.8366,
5.0737

■ 21.5888, 16.0943,
16.2393

■ 15.9079, 8.2500,
3.5022

■ 23.7998, 19.4048,
20.4030

■ 15.7368, 8.0633,
2.9657

■ 26.4269, 23.3976,
25.1675

■ 29.4904, 28.1079,
30.5560

■ 33.0093, 33.5690,
36.5904

■ 37.0016, 39.8116,
43.2912

■ 41.4841, 46.8651,
50.6785

■ 46.4729, 54.7570,
58.7711

Harmonies

Analogous

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



17.8802, 11.3610, 19.8726



18.3242, 11.3610, 9.6146



16.4584, 11.3610, 4.0507

Triad

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



18.3242, 11.3610, 9.6146



7.2515, 11.3610, 2.9901



8.7285, 11.3610, 38.3117

Complementary

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



18.3242, 11.3610, 9.6146



19.3510, 29.1694, 27.9053

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.



6.6121, 11.3610, 27.8564



18.3242, 11.3610, 9.6146



5.8875, 11.3610, 7.0428

Square

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



18.3242, 11.3610, 9.6146



9.7875, 11.3610, 1.7201



5.6800, 11.3610, 15.6076



11.8763, 11.3610, 40.2583

Rectangle

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



18.3242, 11.3610, 9.6146



14.3420, 11.3610, 2.4015



5.6800, 11.3610, 15.6076



7.8924, 11.3610, 35.4918

Sweetspot

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



18.3245, 11.3616, 9.6148



50.9126, 46.9849, 50.8938



18.1395, 10.6770, 36.2265



10.8113, 9.7814, 10.5635



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.



18.3245, 11.3616, 9.6148



30.5244, 16.9203, 11.0743



18.9814, 14.0935, 5.4622



7.1456, 7.1147, 7.7533



12.0835, 6.1895, 2.3643



0.2720, 0.1373, 0.1450

Inverse Universe

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



18.3245, 11.3616, 9.6148



30.5244, 16.9203, 11.0743



17.5360, 21.9290, 38.4301



7.1456, 7.1147, 7.7533



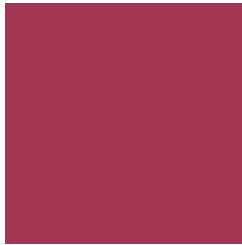
12.0835, 6.1895, 2.3643



0.2720, 0.1373, 0.1450

Previews

White Background



This preview shows how the XYZ color 18.3242, 11.3610, 9.6146 looks on a white background.

Color Contrast Check

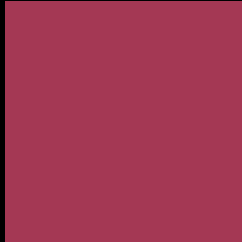
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.3242, 11.3610, 9.6146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

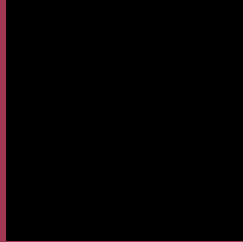
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3242, 11.3610, 9.6146

Background



This preview shows how black text looks on a background with the XYZ color 18.3242, 11.3610, 9.6146.



This preview shows how white text looks on a background with the XYZ color 18.3242, 11.3610,

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

18.3242, 11.3610, 9.6146

Protanopia

11.2581, 11.5840, 15.0072

Deuteranopia

11.7940, 11.5983, 9.0142



Tritanopia

17.6455, 11.3884, 6.1186

Trichromacy



Original Color

18.3242, 11.3610, 9.6146

Protanomaly

12.7078, 10.6699, 12.6990

Deuteranomaly

13.4871, 10.9319, 9.1838

Tritanomaly

17.8056, 11.3694, 7.2173

Monochromacy



Original Color

18.3242, 11.3610, 9.6146

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.9571, 10.0049, 10.5335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3242, 11.3610, 9.6146 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(164, 56, 84)` looks like.

```
.text, #text, p{  
    color:rgb(164, 56, 84)  
}
```

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(164, 56, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 56, 84) }
```

Border

The CSS property to change the border of an element to XYZ 18.3242, 11.3610, 9.6146 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(164, 56, 84) }
```


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

```
.border{ border-color:rgb(164, 56, 84) }
```

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

Here you see how a box with a 4 pixel rgb(164, 56, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 56, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 56, 84);  
box-shadow:4px 4px 4px 4px rgb(164, 56,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3242, 11.3610, 9.6146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 56, 84) }
```

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

```
.background{ background-color: rgb(164, 56,  
84) }
```

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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