

Converting Colors

XYZ(16.8813, 10.6132, 3.5417)

Have a look what the booklet for
XYZ(16.8813, 10.6132, 3.5417)
contains.

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Color

**XYZ(16.8780, 10.6067,
3.5406)**

Conversions

Conversions Part 1

Format	Color
Hex	A3362C
RGB	163, 54, 44
RGB Percent	64%, 21%, 17%
CMY	0.3608, 0.7882, 0.8274
CMYK	0.00, 0.67, 0.73, 0.36
HSL	5°, 57%, 41%
HSV	5°, 73%, 64%
XYZ	16.8780, 10.6067, 3.5406
YIQ	85.4510, 68.1740, 19.9980

Conversions

Conversions Part 2

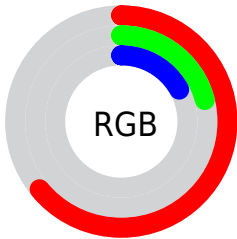
Format	Color
RYB	163, 55, 44
Decimal	10696236
CIELab	38.91, 44.36, 30.84
CIElCh	39, 54.022, 34.806
Yxy	10.6067, 0.5440, 0.3419
Android (android.graphics.Color)	4288886316 (0xFFA3362C)
YUV	85.4510, -20.4353, 68.0105
Hunter-Lab	32.5679, 35.5119, 16.3519

Details

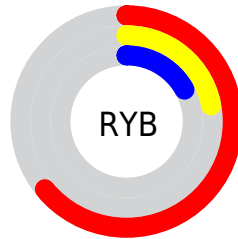
The XYZ color **16.8780, 10.6067, 3.5406** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.0396, 25.9599, 38.6572**, and the grayscale version is **8.7615, 9.2177, 10.0381**.

A 20% lighter version of the original color is **37.8436, 27.1009, 12.9093**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **16.0382, 9.3250, 2.0345**, and if you desaturate by 10%, it is **18.0519, 12.3643, 5.7519**.

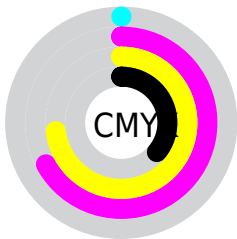
Distribution



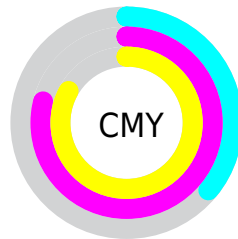
- Red (64%)
- Green (21%)
- Blue (17%)



- Red (64%)
- Yellow (22%)
- Blue (17%)



- Cyan (0%)
- Magenta (67%)
- Yellow (73%)
- Black (36%)





- Cyan (36%)
- Magenta (79%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8780, 10.6067, 3.5406 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 16.8780, 10.6067, 3.5406 by changing the saturation by 10% instead.


 16.8780, 10.6067,
3.5406


 16.8780, 10.6067,
3.5406


227.6383,
194.9490, 142.9734


 10.2423, 5.8030,
1.3769


 37.6612, 26.9306,
12.9356


 5.6234, 2.7257,
0.1236

 52.5394, 39.2195,
21.0039


 2.6559, 0.9903,
0.0000

 70.8957, 54.7724,
31.8775

 0.9745, 0.0000,
0.0000

 93.0957, 73.9736,
45.9749

 0.0000, 0.0000,
0.0000

 119.5046, 97.2074,
63.7146

 150.4878,

124.8584, 85.5153

186.4105,
157.3108, 111.7954

■ 16.8780, 10.6067,
3.5406

■ 16.8780, 10.6067,
3.5406

■ 16.0382, 9.3250,
2.0345

■ 18.0519, 12.3643,
5.7519

■ 15.4966, 8.4710,
1.1472

■ 19.5895, 14.6365,
8.7401

■ 15.2572, 8.0927,
0.7579

■ 21.5179, 17.4599,
12.5688

■ 23.8615, 20.8674,
17.2948

■ 26.6425, 24.8893,
22.9699

■ 29.8818, 29.5538,
29.6421

■ 33.5987, 34.8873,
37.3560

■ 37.8115, 40.9148,
46.1536

■ 42.5376, 47.6598,
56.0746

Harmonies

Analogous

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



18.6434, 10.6067, 9.9703



16.8780, 10.6067, 3.5406



13.3146, 10.6067, 1.3067

Triad

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



16.8780, 10.6067, 3.5406



5.0362, 10.6067, 5.0119



10.6709, 10.6067, 44.5745

Complementary

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



16.8780, 10.6067, 3.5406



19.0396, 25.9599, 38.6572

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.



7.4191, 10.6067, 40.2650



16.8780, 10.6067, 3.5406



4.6484, 10.6067, 13.2859

Square

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



16.8780, 10.6067, 3.5406



6.6321, 10.6067, 1.7338



5.4092, 10.6067, 26.9084



14.5573, 10.6067, 36.5750

Rectangle

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



16.8780, 10.6067, 3.5406



10.7192, 10.6067, 0.9289



5.4092, 10.6067, 26.9084



9.4693, 10.6067, 44.5458

Sweetspot

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



16.8782, 10.6073, 3.5408



48.0385, 45.0417, 41.8009



21.7614, 11.8905, 31.3210



10.4829, 9.6740, 8.7605



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.



16.8782, 10.6073, 3.5408



28.0254, 15.6070, 2.4777



21.5104, 19.8717, 5.0848



7.1194, 7.1773, 7.3902



11.8730, 6.3200, 0.5941



0.2630, 0.1597, 0.0170

Inverse Universe

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



19.0396, 25.9599, 38.6572



31.9876, 44.4220, 68.9445



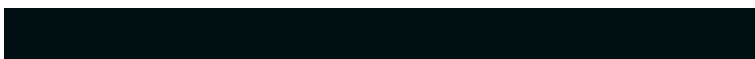
11.6153, 11.1113, 36.1825



7.2250, 7.9089, 9.0488



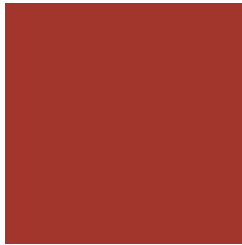
13.5429, 18.8651, 29.8573



0.2985, 0.4242, 0.6320

Previews

White Background



This preview shows how the XYZ color 16.8780, 10.6067, 3.5406 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 16.8780, 10.6067, 3.5406 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 16.8780, 10.6067, 3.5406

Background



This preview shows how black text looks on a background with the XYZ color 16.8780, 10.6067, 3.5406.



This preview shows how white text looks on a background with the XYZ color 16.8780, 10.6067,

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

16.8780, 10.6067, 3.5406

Protanopia

10.0197, 10.8908, 5.4449

Deuteranopia

10.8939, 10.7579, 3.2526



Tritanopia

17.0218, 10.5183, 4.7475

Trichromacy



Original Color

16.8780, 10.6067, 3.5406

Protanomaly

11.7280, 10.1250, 4.5850

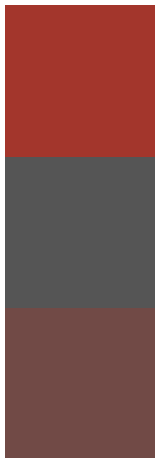
Deuteranomaly

12.4832, 10.2276, 3.3237

Tritanomaly

16.9749, 10.5718, 4.2778

Monochromacy



Original Color

16.8780, 10.6067, 3.5406

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.3643, 8.8505, 6.9564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8780, 10.6067, 3.5406 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, 54, 44)` looks like.

```
.text, #text, p{  
    color:rgb(163, 54, 44)  
}
```

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, 54, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 54, 44) }
```

Border

The CSS property to change the border of an element to XYZ 16.8780, 10.6067, 3.5406 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, 54, 44) }
```


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

```
.border{ border-color:rgb(163, 54, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 54, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 54, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 54, 44);  
box-shadow:4px 4px 4px 4px rgb(163, 54,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8780, 10.6067, 3.5406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 54, 44) }
```

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

```
.background{ background-color: rgb(163, 54,  
44) }
```

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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