

Converting Colors

XYZ(18.0092, 15.8228, 6.1891)

Have a look what the booklet for
XYZ(18.0092, 15.8228, 6.1891)
contains.

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Color

**XYZ(18.0138, 15.8188,
6.2416)**

Conversions

Conversions Part 1

Format	Color
Hex	97633B
RGB	151, 99, 59
RGB Percent	59%, 39%, 23%
CMY	0.4078, 0.6117, 0.7686
CMYK	0.00, 0.34, 0.61, 0.41
HSL	26°, 44%, 41%
HSV	26°, 61%, 59%
XYZ	18.0138, 15.8188, 6.2416
YIQ	109.9880, 43.8320, -1.4160

Conversions

Conversions Part 2

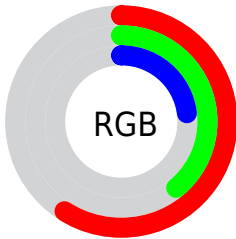
Format	Color
R_{YB}	151, 130, 59
Decimal	9921339
CIE Lab	46.74, 16.79, 31.05
CIE LCh	47, 35.300, 61.595
Yxy	15.8188, 0.4495, 0.3947
Android (android.graphics.Color)	4288111419 (0xFF97633B)
YUV	109.9880, -25.1371, 35.9675
Hunter-Lab	39.7729, 11.2432, 18.5366

Details

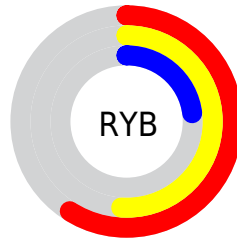
The XYZ color **18.0138, 15.8188, 6.2416** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.0737, 14.5324, 31.3940**, and the grayscale version is **14.8790, 15.6539, 17.0471**.

A 20% lighter version of the original color is **39.5726, 36.2841, 18.8278**, and **6.1311, 4.9745, 1.0525** is the 20% darker color. If you saturate the color by 10%, you get **16.9112, 14.1523, 4.2135**, and if you desaturate by 10%, it is **19.3159, 17.7031, 8.8955**.

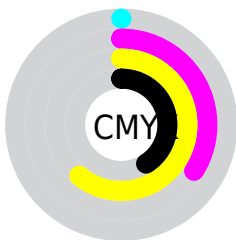
Distribution



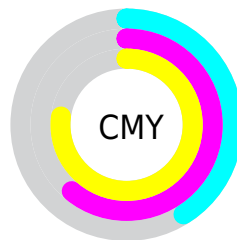
- Red (59%)
- Green (39%)
- Blue (23%)



- Red (59%)
- Yellow (51%)
- Blue (23%)



- Cyan (0%)
- Magenta (34%)
- Yellow (61%)
- Black (41%)





- Cyan (41%)
- Magenta (61%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0138, 15.8188, 6.2416 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 18.0138, 15.8188, 6.2416 by changing the saturation by 10% instead.


 18.0138, 15.8188,
6.2416


 18.0138, 15.8188,
6.2416


233.9929,
228.2701, 170.5887


 11.0596, 9.3960,
2.9214


 39.5907, 36.2833,
18.9166


 6.1746, 5.0004,
1.0546


 54.9442, 51.0939,
29.1084


 2.9932, 2.2475,
0.0000

 73.8282, 69.4692,
42.4279

 1.1502, 0.7457,
0.0000

 96.6080, 91.7936,
59.2936

 0.0665, 0.0000,
0.0000

 123.6491,
118.4515, 80.1239

 0.0000, 0.0000,
0.0000

 155.3166,

149.8272, 105.3376

191.9761,
186.3053, 135.3529

■ 18.0138, 15.8188,
6.2416

■ 18.0138, 15.8188,
6.2416

■ 16.9112, 14.1523,
4.2135

■ 19.3159, 17.7031,
8.8955

■ 15.9943, 12.6920,
2.7564

■ 20.8279, 19.8115,
12.2218

■ 15.2488, 11.4283,
1.8071

■ 22.5604, 22.1528,
16.2640

■ 14.6908, 10.4359,
1.2400

■ 24.5233, 24.7346,
21.0611

■ 26.7253, 27.5640,
26.6498

■ 29.1752, 30.6481,
33.0641

■ 31.8809, 33.9932,
40.3360

■ 34.8501, 37.6058,
48.4958

■ 38.0901, 41.4919,
57.5724

Harmonies

Analogous

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



20.6289, 15.8188, 9.8137



18.0138, 15.8188, 6.2416



14.8720, 15.8188, 5.2685

Triad

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



18.0138, 15.8188, 6.2416



9.8841, 15.8188, 17.6976



18.3359, 15.8188, 35.9501

Complementary

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



18.0138, 15.8188, 6.2416



13.0737, 14.5324, 31.3940

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.



15.1998, 15.8188, 40.1774



18.0138, 15.8188, 6.2416



10.5570, 15.8188, 27.6554

Square

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



18.0138, 15.8188, 6.2416



10.4280, 15.8188, 10.3831



12.4047, 15.8188, 36.7222



20.8320, 15.8188, 26.5555

Rectangle

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



18.0138, 15.8188, 6.2416



12.9707, 15.8188, 5.8211



12.4047, 15.8188, 36.7222



17.3081, 15.8188, 38.1424

Sweetspot

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



18.0142, 15.8196, 6.2419



44.8887, 45.5541, 40.1484



17.2031, 10.8580, 16.2667



9.9697, 10.0521, 8.5421



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.0142, 15.8196, 6.2419



29.6686, 24.3791, 6.5118



23.6569, 27.1051, 8.1228



6.4187, 6.6424, 6.5497



12.5253, 8.9330, 1.0641



0.2225, 0.2040, 0.0277

Inverse Universe

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



13.0737, 14.5324, 31.3940



20.0011, 21.8157, 55.5903



9.2876, 6.9603, 30.1320



6.1595, 6.5764, 7.8737



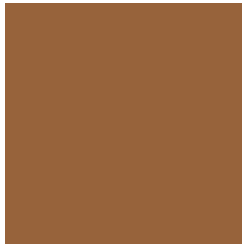
7.5673, 7.5313, 25.9625



0.1493, 0.1848, 0.4002

Previews

White Background



This preview shows how the XYZ color 18.0138, 15.8188, 6.2416 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 18.0138, 15.8188, 6.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

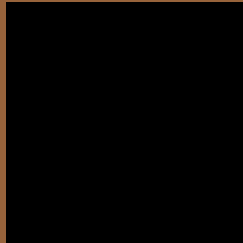
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0138, 15.8188, 6.2416

Background



This preview shows how black text looks on a background with the XYZ color 18.0138, 15.8188, 6.2416.



This preview shows how white text looks on a background with the XYZ color 18.0138, 15.8188,

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

18.0138, 15.8188, 6.2416

Protanopia

14.6077, 15.8653, 6.9950

Deuteranopia

16.2091, 15.9218, 6.0898



Tritanopia

19.6781, 15.8150, 14.3274

Trichromacy



Original Color

18.0138, 15.8188, 6.2416

Protanomaly

15.8001, 15.8497, 6.7840

Deuteranomaly

16.7693, 15.7568, 6.1605

Tritanomaly

18.9995, 15.8099, 10.8543

Monochromacy



Original Color

18.0138, 15.8188, 6.2416

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.4998, 15.4234, 12.0576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0138, 15.8188, 6.2416 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(151, 99, 59)` looks like.

```
.text, #text, p{  
    color:rgb(151, 99, 59)  
}
```

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(151, 99, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 99, 59) }
```

Border

The CSS property to change the border of an element to XYZ 18.0138, 15.8188, 6.2416 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(151, 99, 59) }
```


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

```
.border{ border-color:rgb(151, 99, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 99, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 99, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 99, 59);  
box-shadow:4px 4px 4px 4px rgb(151, 99,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0138, 15.8188, 6.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 99, 59) }
```

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

```
.background{ background-color: rgb(151, 99,  
59) }
```

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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