

Converting Colors

XYZ(18.2275, 15.3925, 4.8696)

Have a look what the booklet for
XYZ(18.2275, 15.3925, 4.8696)
contains.

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Color

**XYZ(18.1642, 15.3747,
4.9160)**

Conversions

Conversions Part 1

Format	Color
Hex	9B5F31
RGB	155, 95, 49
RGB Percent	61%, 37%, 19%
CMY	0.3922, 0.6274, 0.8078
CMYK	0.00, 0.39, 0.68, 0.39
HSL	26°, 52%, 40%
HSV	26°, 68%, 61%
XYZ	18.1642, 15.3747, 4.9160
YIQ	107.6960, 50.5260, -1.5860

Conversions

Conversions Part 2

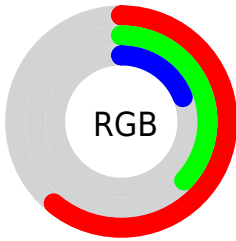
Format	Color
R_{YB}	155, 130, 49
Decimal	10182449
CIE _{Lab}	46.14, 20.14, 35.93
CIE _{LCh}	46, 41.189, 60.721
Yxy	15.3747, 0.4724, 0.3998
Android (android.graphics.Color)	4288372529 (0xFF9B5F31)
YUV	107.6960, -28.9371, 41.4856
Hunter-Lab	39.2106, 14.0711, 20.0140

Details

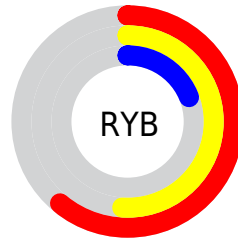
The XYZ color **18.1642, 15.3747, 4.9160** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.6514, 13.9563, 33.0374**, and the grayscale version is **14.2376, 14.9791, 16.3122**.

A 20% lighter version of the original color is **39.8771, 35.5670, 16.0726**, and **6.2135, 4.7709, 0.6508** is the 20% darker color. If you saturate the color by 10%, you get **17.1454, 13.7737, 3.2309**, and if you desaturate by 10%, it is **19.3852, 17.2003, 7.2239**.

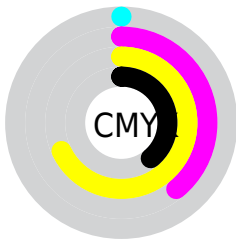
Distribution



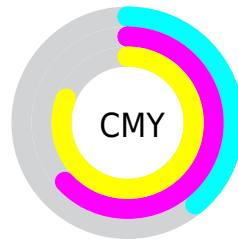
- Red (61%)
- Green (37%)
- Blue (19%)



- Red (61%)
- Yellow (51%)
- Blue (19%)



- Cyan (0%)
- Magenta (39%)
- Yellow (68%)
- Black (39%)





- Cyan (39%)
- Magenta (63%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1642, 15.3747, 4.9160 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 18.1642, 15.3747, 4.9160 by changing the saturation by 10% instead.

 18.1642, 15.3747,
4.9160


 18.1642, 15.3747,
4.9160


234.8227,
225.6231, 157.9194


 11.1683, 9.0828,
2.1402


 39.8448, 35.5092,
16.0726


 6.2483, 4.7952,
0.6395


 55.2603, 50.1205,
25.2904


 3.0387, 2.1276,
0.0000

 74.2130, 68.2738,
37.4927

 1.1743, 0.6801,
0.0000

 97.0683, 90.3535,
53.0980

 0.0859, 0.0000,
0.0000

 124.1916,
116.7438, 72.5247

 0.0000, 0.0000,
0.0000

 155.9481,

147.8293, 96.1915

192.7034,
183.9942, 124.5169

■ 18.1642, 15.3747,
4.9160

■ 18.1642, 15.3747,
4.9160

■ 17.1454, 13.7737,
3.2309

■ 19.3852, 17.2003,
7.2239

■ 16.3128, 12.3843,
2.1030

■ 20.8207, 19.2579,
10.2095

■ 15.6401, 11.1916,
1.4077

■ 22.4827, 21.5574,
13.9224

■ 15.5407, 11.0149,
1.3070

■ 24.3824, 24.1073,
18.4074

■ 26.5297, 26.9154,
23.7057

■ 28.9341, 29.9895,
29.8553

■ 31.6047, 33.3368,
36.8921

■ 34.5498, 36.9642,
44.8498

■ 37.7776, 40.8785,
53.7601

Harmonies

Analogous

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



21.2082, 15.3747, 8.6877



18.1642, 15.3747, 4.9160



14.5285, 15.3747, 3.9055

Triad

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



18.1642, 15.3747, 4.9160



8.8558, 15.3747, 16.9846



18.3346, 15.3747, 39.4266

Complementary

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



18.1642, 15.3747, 4.9160



12.6514, 13.9563, 33.0374

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.



14.6982, 15.3747, 44.4168



18.1642, 15.3747, 4.9160



9.5503, 15.3747, 28.6671

Square

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



18.1642, 15.3747, 4.9160



9.4866, 15.3747, 8.9624



11.5580, 15.3747, 39.8583



21.3172, 15.3747, 28.0688

Rectangle

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



18.1642, 15.3747, 4.9160



12.3554, 15.3747, 4.3975



11.5580, 15.3747, 39.8583



17.1305, 15.3747, 42.0689

Sweetspot

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



18.1646, 15.3755, 4.9163



46.3014, 46.6325, 39.4278



17.3799, 10.2709, 15.5535



10.2557, 10.2621, 8.3692



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.1646, 15.3755, 4.9163



29.8885, 23.3239, 4.6167



24.6514, 28.3492, 7.0786



6.4183, 6.6416, 6.5495



12.5191, 8.9206, 1.0620



0.2224, 0.2038, 0.0276

Inverse Universe

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



12.6514, 13.9563, 33.0374



19.2830, 20.5193, 58.4806



8.6006, 5.8545, 31.6871



6.1600, 6.5773, 7.8739



7.5757, 7.5481, 25.9654



0.1494, 0.1851, 0.4002

Previews

White Background



This preview shows how the XYZ color 18.1642, 15.3747, 4.9160 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 18.1642, 15.3747, 4.9160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

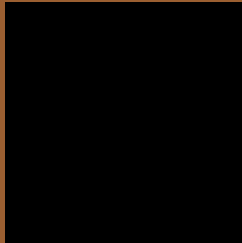
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1642, 15.3747, 4.9160

Background



This preview shows how black text looks on a background with the XYZ color 18.1642, 15.3747, 4.9160.



This preview shows how white text looks on a background with the XYZ color 18.1642, 15.3747,

4.9160.

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

18.1642, 15.3747, 4.9160

Protanopia

14.1269, 15.4832, 5.7340

Deuteranopia

15.6167, 15.3401, 4.8272



Tritanopia

19.8680, 15.4260, 12.9967

Trichromacy



Original Color

18.1642, 15.3747, 4.9160

Protanomaly

15.3443, 15.3376, 5.4005

Deuteranomaly

16.5149, 15.3604, 4.8907

Tritanomaly

19.1431, 15.3869, 9.3582

Monochromacy



Original Color

18.1642, 15.3747, 4.9160

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.0280, 14.7486, 11.0715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1642, 15.3747, 4.9160 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(155, 95, 49)` looks like.

```
.text, #text, p{  
    color:rgb(155, 95, 49)  
}
```

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(155, 95, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 95, 49) }
```

Border

The CSS property to change the border of an element to XYZ 18.1642, 15.3747, 4.9160 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(155, 95, 49) }
```


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

```
.border{ border-color:rgb(155, 95, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 95, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 95, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 95, 49);  
box-shadow:4px 4px 4px 4px rgb(155, 95,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1642, 15.3747, 4.9160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 95, 49) }
```

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

```
.background{ background-color: rgb(155, 95,  
49) }
```

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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