

Converting Colors

XYZ(18.7234, 16.4057, 4.8288)

Have a look what the booklet for
XYZ(18.7234, 16.4057, 4.8288)
contains.

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Color

**XYZ(18.7806, 16.3875,
4.8626)**

Conversions

Conversions Part 1

Format	Color
Hex	9C642F
RGB	156, 100, 47
RGB Percent	61%, 39%, 18%
CMY	0.3882, 0.6078, 0.8157
CMYK	0.00, 0.36, 0.70, 0.39
HSL	29°, 54%, 40%
HSV	29°, 70%, 61%
XYZ	18.7806, 16.3875, 4.8626
YIQ	110.7020, 50.3890, -4.6110

Conversions

Conversions Part 2

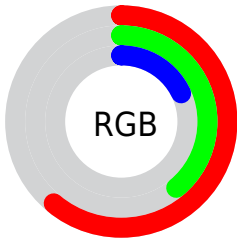
Format	Color
R _Y B	156, 150, 47
Decimal	10249263
CIE _{Lab}	47.48, 17.61, 38.49
CIE _{LCh}	47, 42.325, 65.416
Y _{xy}	16.3875, 0.4692, 0.4094
Android (android.graphics.Color)	4288439343 (0xFF9C642F)
Y _{UV}	110.7020, -31.4051, 39.7263
Hunter-Lab	40.4815, 11.9690, 21.2152

Details

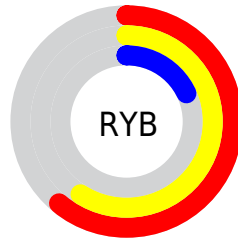
The XYZ color **18.7806, 16.3875, 4.8626** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.0231, 12.7046, 33.2709**, and the grayscale version is **15.1013, 15.8878, 17.3018**.

A 20% lighter version of the original color is **40.8637, 37.2556, 15.8638**, and **6.5286, 5.2555, 0.6703** is the 20% darker color. If you saturate the color by 10%, you get **17.7892, 14.8216, 3.2475**, and if you desaturate by 10%, it is **19.9609, 18.1514, 7.0960**.

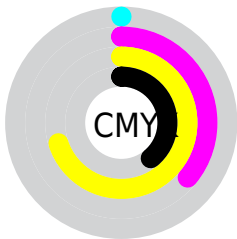
Distribution



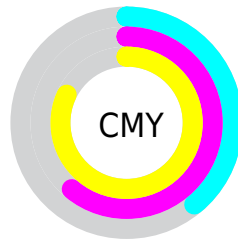
- Red (61%)
- Green (39%)
- Blue (18%)



- Red (61%)
- Yellow (59%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (70%)
- Black (39%)





- Cyan (39%)
- Magenta (61%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7806, 16.3875, 4.8626 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 18.7806, 16.3875, 4.8626 by changing the saturation by 10% instead.


 18.7806, 16.3875,
4.8626


 18.7806, 16.3875,
4.8626


238.1963,
231.6175, 157.3784


 11.6149, 9.7988,
2.1095


 40.8828, 37.2696,
15.9548


 6.5524, 5.2657,
0.6214


 56.5500, 52.3318,
25.1311

 3.2276, 2.4040,
0.0000

 75.7817, 70.9873,
37.2854

 1.2752, 0.8280,
0.0000

 98.9434, 93.6204,
52.8365

 0.1646, 0.0000,
0.0000

 126.4004,
120.6156, 72.2028

 0.0000, 0.0000,
0.0000

 158.5179,

152.3573, 95.8029

195.6614,
189.2298, 124.0552

■ 18.7806, 16.3875,
4.8626

■ 18.7806, 16.3875,
4.8626

■ 17.7892, 14.8216,
3.2475

■ 19.9609, 18.1514,
7.0960

■ 16.9708, 13.4417,
2.1825

■ 21.3418, 20.1192,
10.0043

■ 16.2932, 12.2320,
1.5081

■ 22.9353, 22.2995,
13.6385

■ 16.2849, 12.2173,
1.4999

■ 24.7518, 24.6998,
18.0446

■ 26.8011, 27.3267,
23.2646

■ 29.0923, 30.1870,
29.3375

■ 31.6339, 33.2867,
36.2998

■ 34.4341, 36.6319,
44.1857

■ 37.5006, 40.2282,
53.0277

Harmonies

Analogous

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



22.2404, 16.3875, 8.3344



18.7806, 16.3875, 4.8626



14.9035, 16.3875, 4.1506

Triad

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



18.7806, 16.3875, 4.8626



9.4312, 16.3875, 19.8694



20.1514, 16.3875, 40.5894

Complementary

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



18.7806, 16.3875, 4.8626



12.0231, 12.7046, 33.2709

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.



16.2681, 16.3875, 47.4042



18.7806, 16.3875, 4.8626



10.3965, 16.3875, 32.7291

Square

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



18.7806, 16.3875, 4.8626



9.8841, 16.3875, 10.5423



12.7581, 16.3875, 44.0637



23.1168, 16.3875, 27.9152

Rectangle

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



18.7806, 16.3875, 4.8626



12.6750, 16.3875, 4.9162



12.7581, 16.3875, 44.0637



18.8886, 16.3875, 43.8319

Sweetspot

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



18.7810, 16.3883, 4.8629



48.0753, 48.8688, 40.6910



17.1910, 10.0867, 13.9565



10.3655, 10.4817, 8.4058



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.



18.7810, 16.3883, 4.8629



31.4130, 25.4285, 4.6651



25.8092, 30.4449, 7.2057



6.8859, 7.1519, 7.0032



13.4484, 10.1323, 1.2469



0.2827, 0.2656, 0.0364

Inverse Universe

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



12.0231, 12.7046, 33.2709



18.3125, 18.2723, 59.6885



8.2638, 5.1861, 32.0179



6.5524, 6.9705, 8.4068



7.3491, 6.7897, 26.8304



0.1737, 0.2060, 0.4938

Previews

White Background



This preview shows how the XYZ color 18.7806, 16.3875, 4.8626 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 18.7806, 16.3875, 4.8626 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 18.7806, 16.3875, 4.8626

Background



This preview shows how black text looks on a background with the XYZ color 18.7806, 16.3875, 4.8626.



This preview shows how white text looks on a background with the XYZ color 18.7806, 16.3875,

4.8626.

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

18.7806, 16.3875, 4.8626

Protanopia

15.1069, 16.4849, 5.5177

Deuteranopia

16.7159, 16.3676, 4.7609



Tritanopia

20.6497, 16.3159, 14.3728

Trichromacy



Original Color

18.7806, 16.3875, 4.8626

Protanomaly

16.2548, 16.2738, 5.3020

Deuteranomaly

17.2975, 16.2089, 4.8017

Tritanomaly

19.7686, 16.2289, 9.8752

Monochromacy



Original Color

18.7806, 16.3875, 4.8626

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.7715, 15.7320, 11.4378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7806, 16.3875, 4.8626 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(156, 100, 47)` looks like.

```
.text, #text, p{  
    color:rgb(156, 100, 47)  
}
```

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(156, 100, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 100, 47) }
```

Border

The CSS property to change the border of an element to XYZ 18.7806, 16.3875, 4.8626 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(156, 100, 47) }
```


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

```
.border{ border-color:rgb(156, 100, 47) }
```

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

Here you see how a box with a 4 pixel rgb(156, 100, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 100, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 100, 47);  
box-shadow:4px 4px 4px 4px rgb(156, 100,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7806, 16.3875, 4.8626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 100, 47) }
```

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

```
.background{ background-color: rgb(156,  
100, 47) }
```

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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