

Converting Colors

XYZ(18.8509, 16.5931, 6.1787)

Have a look what the booklet for
XYZ(18.8509, 16.5931, 6.1787)
contains.

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Color

**XYZ(18.7438, 16.4829,
6.1966)**

Conversions

Conversions Part 1

Format	Color
Hex	9A653A
RGB	154, 101, 58
RGB Percent	60%, 40%, 23%
CMY	0.3961, 0.6039, 0.7725
CMYK	0.00, 0.34, 0.62, 0.40
HSL	27°, 45%, 42%
HSV	27°, 62%, 60%
XYZ	18.7438, 16.4829, 6.1966
YIQ	111.9450, 45.3910, -2.1370

Conversions

Conversions Part 2

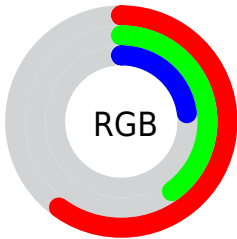
Format	Color
R_{YB}	154, 136, 58
Decimal	10118458
CIE Lab	47.60, 16.89, 32.73
CIE LCh	48, 36.829, 62.706
Yxy	16.4829, 0.4525, 0.3979
Android (android.graphics.Color)	4288308538 (0xFF9A653A)
YUV	111.9450, -26.5949, 36.8822
Hunter-Lab	40.5991, 11.3613, 19.3700

Details

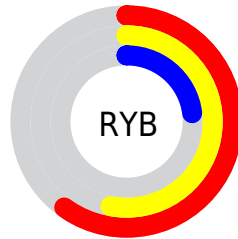
The XYZ color **18.7438, 16.4829, 6.1966** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.2617, 14.6007, 32.6908**, and the grayscale version is **15.4516, 16.2563, 17.7031**.

A 20% lighter version of the original color is **40.6937, 37.3460, 18.6994**, and **6.5311, 5.3175, 1.0300** is the 20% darker color. If you saturate the color by 10%, you get **17.6260, 14.7833, 4.1718**, and if you desaturate by 10%, it is **20.0650, 18.4019, 8.8677**.

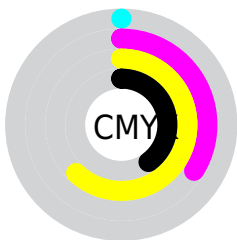
Distribution



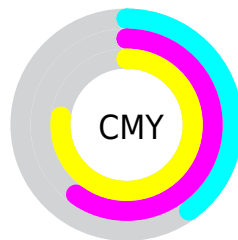
- Red (60%)
- Green (40%)
- Blue (23%)



- Red (60%)
- Yellow (53%)
- Blue (23%)



- Cyan (0%)
- Magenta (34%)
- Yellow (62%)
- Black (40%)





- Cyan (40%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7438, 16.4829, 6.1966 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 18.7438, 16.4829, 6.1966 by changing the saturation by 10% instead.


 18.7438, 16.4829,
6.1966


 18.7438, 16.4829,
6.1966


237.9961,
232.1746, 170.1797


 11.5882, 9.8665,
2.8943


 40.8210, 37.4345,
18.8223


 6.5341, 5.3105,
1.0409


 56.4732, 52.5386,
28.9827


 3.2162, 2.4306,
0.0000

 75.6885, 71.2406,
42.2663

 1.2691, 0.8416,
0.0000

 98.8320, 93.9250,
59.0915

 0.1599, 0.0000,
0.0000

 126.2691,
120.9762, 79.8769

 0.0000, 0.0000,
0.0000

 158.3653,

152.7786, 105.0410

195.4858,
189.7166, 135.0025

■ 18.7438, 16.4829,
6.1966

■ 18.7438, 16.4829,
6.1966

■ 17.6260, 14.7833,
4.1718

■ 20.0650, 18.4019,
8.8677

■ 16.6969, 13.2910,
2.7346

■ 21.6004, 20.5465,
12.2349

■ 15.9416, 11.9964,
1.8168

■ 23.3613, 22.9257,
16.3442

■ 15.4535, 11.1244,
1.3327

■ 25.3577, 25.5471,
21.2372

■ 27.5990, 28.4181,
26.9527

■ 30.0940, 31.5456,
33.5265

■ 32.8511, 34.9361,
40.9926

■ 35.8783, 38.5961,
49.3830

■ 39.1831, 42.5318,
58.7281

Harmonies

Analogous

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



21.6026, 16.4829, 9.8423



18.7438, 16.4829, 6.1966



15.3703, 16.4829, 5.2666

Triad

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



18.7438, 16.4829, 6.1966



10.1681, 16.4829, 18.8144



19.3317, 16.4829, 37.8678

Complementary

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



18.7438, 16.4829, 6.1966



13.2617, 14.6007, 32.6908

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.



15.9665, 16.4829, 42.7466



18.7438, 16.4829, 6.1966



10.9316, 16.4829, 29.5980

Square

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



18.7438, 16.4829, 6.1966



10.6987, 16.4829, 10.8667



12.9459, 16.4829, 39.2896



21.9740, 16.4829, 27.5815

Rectangle

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



18.7438, 16.4829, 6.1966



13.3535, 16.4829, 5.9004



12.9459, 16.4829, 39.2896



18.2323, 16.4829, 40.3301

Sweetspot

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



18.7442, 16.4837, 6.1969



47.2211, 47.9026, 41.4897



17.7864, 11.0750, 16.6466



10.4506, 10.5356, 8.7924



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.



18.7442, 16.4837, 6.1969



31.2757, 25.6806, 6.3672



24.6172, 28.2298, 8.1546



6.4252, 6.6555, 6.5518



12.6253, 9.1330, 1.0974



0.2243, 0.2077, 0.0283

Inverse Universe

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



13.2617, 14.6007, 32.6908



20.4221, 21.9119, 58.6894



9.4338, 6.9449, 31.4148



6.1529, 6.5632, 7.8715



7.4357, 7.2680, 25.9187



0.1474, 0.1812, 0.3996

Previews

White Background



This preview shows how the XYZ color 18.7438, 16.4829, 6.1966 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 18.7438, 16.4829, 6.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

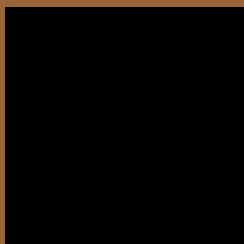
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7438, 16.4829, 6.1966

Background



This preview shows how black text looks on a background with the XYZ color 18.7438, 16.4829, 6.1966.



This preview shows how white text looks on a background with the XYZ color 18.7438, 16.4829,

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

18.7438, 16.4829, 6.1966

Protanopia

15.2321, 16.5180, 6.9429

Deuteranopia

16.7238, 16.4996, 6.0447



Tritanopia

20.5357, 16.5131, 14.9370

Trichromacy



Original Color

18.7438, 16.4829, 6.1966

Protanomaly

16.4643, 16.5084, 6.7336

Deuteranomaly

17.2917, 16.3279, 6.1111

Tritanomaly

19.7983, 16.4914, 11.1565

Monochromacy



Original Color

18.7438, 16.4829, 6.1966

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.0467, 16.0099, 12.3697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7438, 16.4829, 6.1966 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(154, 101, 58)` looks like.

```
.text, #text, p{  
    color:rgb(154, 101, 58)  
}
```

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(154, 101, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 101, 58) }
```

Border

The CSS property to change the border of an element to XYZ 18.7438, 16.4829, 6.1966 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(154, 101, 58) }
```


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

```
.border{ border-color:rgb(154, 101, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 101, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 101, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 101, 58);  
box-shadow:4px 4px 4px 4px rgb(154, 101,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7438, 16.4829, 6.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 101, 58) }
```

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

```
.background{ background-color: rgb(154,  
101, 58) }
```

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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