

Converting Colors

XYZ(16.9490, 19.2876, 4.2593)

Have a look what the booklet for
XYZ(16.9490, 19.2876, 4.2593)
contains.

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Color

**XYZ(16.8732, 19.1813,
4.2519)**

Conversions

Conversions Part 1

Format	Color
Hex	847B21
RGB	132, 123, 33
RGB Percent	52%, 48%, 13%
CMY	0.4824, 0.5176, 0.8706
CMYK	0.00, 0.07, 0.75, 0.48
HSL	55°, 60%, 32%
HSV	55°, 75%, 52%
XYZ	16.8732, 19.1813, 4.2519
YIQ	115.4310, 34.2540, -26.0820

Conversions

Conversions Part 2

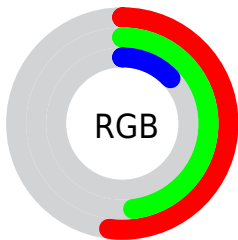
Format	Color
R_{YB}	43, 132, 33
Decimal	8682273
CIE Lab	50.90, -7.35, 47.49
CIE LCh	51, 48.054, 98.793
Yxy	19.1813, 0.4186, 0.4759
Android (android.graphics.Color)	4286872353 (0xFF847B21)
YUV	115.4310, -40.6385, 14.5310
Hunter-Lab	43.7965, -7.8742, 24.9015

Details

The XYZ color **16.8732, 19.1813, 4.2519** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.6201, 3.6452, 22.2370**, and the grayscale version is **16.5398, 17.4011, 18.9498**.

A 20% lighter version of the original color is **37.6692, 41.9914, 14.5073**, and **5.7405, 6.6944, 0.9896** is the 20% darker color. If you saturate the color by 10%, you get **16.5757, 18.8264, 3.4129**, and if you desaturate by 10%, it is **17.2460, 19.5707, 5.4744**.

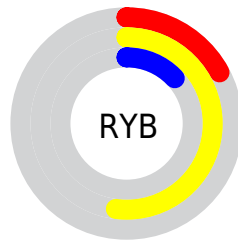
Distribution



Red (52%)

Green (48%)

Blue (13%)



Red (17%)

Yellow (52%)

Blue (13%)

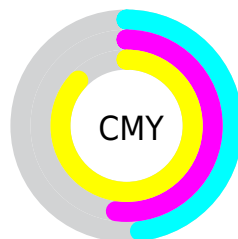


Cyan (0%)

Magenta (7%)

Yellow (75%)

Black (48%)



Cyan (48%)

Magenta (52%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8732, 19.1813, 4.2519 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 16.8732, 19.1813, 4.2519 by changing the saturation by 10% instead.

■ 16.8732, 19.1813,
4.2519

■ 16.8732, 19.1813,
4.2519

227.6111,
247.4478, 150.9854

■ 10.2389, 11.8014,
1.7645

■ 37.6530, 42.0402,
14.5867

■ 5.6211, 6.6086,
0.4044

■ 52.5291, 58.2880,
23.2711

■ 2.6545, 3.2185,
0.0000

■ 70.8833, 78.2605,
34.8584

■ 0.9738, 1.2469,
0.0000

■ 93.0807, 102.3421,
49.7670

■ 0.0000, 0.0995,
0.0000

■ 119.4869,
130.9173, 68.4154

■ 0.0000, 0.0000,
0.0000

■ 150.4671,

164.3704, 91.2223

186.3867,
203.0857, 118.6061

■ 16.8732, 19.1813,
4.2519

■ 16.8732, 19.1813,
4.2519

■ 16.5757, 18.8264,
3.4129

■ 17.2460, 19.5707,
5.4744

■ 16.3413, 18.4989,
2.8990

■ 17.7003, 19.9949,
7.1192

■ 16.2327, 18.3396,
2.6843

■ 18.2432, 20.4575,
9.2217

■ 18.8808, 20.9609,
11.8133

■ 19.6183, 21.5072,
14.9225

■ 20.4609, 22.0986,
18.5756

■ 21.4132, 22.7368,
22.7973

■ 22.4797, 23.4236,
27.6106

■ 23.6643, 24.1607,
33.0374

Harmonies

Analogous

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



21.7312, 19.1813, 4.7778



16.8732, 19.1813, 4.2519



13.0964, 19.1813, 6.4311

Triad

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



16.8732, 19.1813, 4.2519



12.0100, 19.1813, 41.8791



28.1171, 19.1813, 31.8226

Complementary

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



16.8732, 19.1813, 4.2519



5.6201, 3.6452, 22.2370

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.



24.5585, 19.1813, 48.5525



16.8732, 19.1813, 4.2519



15.1289, 19.1813, 55.8967

Square

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



16.8732, 19.1813, 4.2519



10.6258, 19.1813, 25.1348



19.6603, 19.1813, 58.7607



28.8036, 19.1813, 17.1438

Rectangle

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



16.8732, 19.1813, 4.2519



11.4939, 19.1813, 10.0695



19.6603, 19.1813, 58.7607



27.1909, 19.1813, 37.5401

Sweetspot

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



16.8736, 19.1822, 4.2523



34.9122, 38.1388, 27.8071



10.4939, 6.1671, 2.9135



8.0536, 8.8261, 6.1532



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.8736, 19.1822, 4.2523



28.9001, 32.7544, 5.3328



12.9796, 18.9082, 4.4046



5.0045, 5.3526, 4.9988



15.7195, 17.7615, 2.5998



0.0571, 0.0668, 0.0099

Inverse Universe

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



5.6201, 3.6452, 22.2370



8.0606, 4.0375, 38.8076



7.4263, 4.1548, 22.2401



4.4660, 4.6076, 5.8547



4.1619, 1.8716, 21.2786



0.0165, 0.0106, 0.0744

Previews

White Background



This preview shows how the XYZ color 16.8732, 19.1813, 4.2519 looks on a white background.

Color Contrast Check

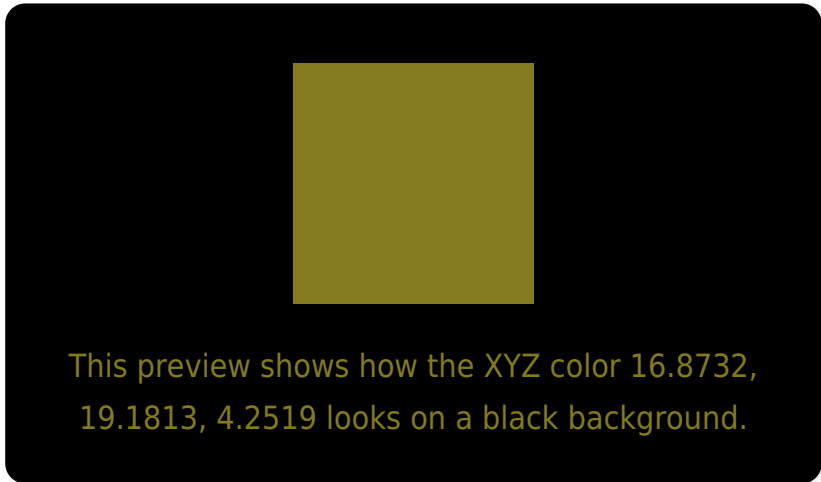
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black 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

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

XYZ 16.8732, 19.1813, 4.2519

Background



This preview shows how black text looks on a background with the XYZ color 16.8732, 19.1813, 4.2519.



This preview shows how white text looks on a background with the XYZ color 16.8732, 19.1813,

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

16.8732, 19.1813, 4.2519

Protanopia

17.3874, 19.2631, 4.2406

Deuteranopia

19.3981, 19.0642, 4.3264



Tritanopia

20.4163, 19.2057, 21.6998

Trichromacy



Original Color

16.8732, 19.1813, 4.2519

Protanomaly

17.2257, 19.1798, 4.2330

Deuteranomaly

18.4589, 19.0980, 4.3035

Tritanomaly

18.5201, 18.9464, 12.5784

Monochromacy



Original Color

16.8732, 19.1813, 4.2519

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0033, 17.6777, 11.1630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8732, 19.1813, 4.2519 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(132, 123, 33)` looks like.

```
.text, #text, p{  
    color:rgb(132, 123, 33)  
}
```

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(132, 123, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 123, 33) }
```

Border

The CSS property to change the border of an element to XYZ 16.8732, 19.1813, 4.2519 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(132, 123, 33) }
```


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

```
.border{ border-color:rgb(132, 123, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 123, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 123, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 123, 33);  
box-shadow:4px 4px 4px 4px rgb(132, 123,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8732, 19.1813, 4.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 123, 33) }
```

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

```
.background{ background-color: rgb(132,  
123, 33) }
```

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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