

Converting Colors

XYZ(16.6909, 18.9724, 10.0846)

Have a look what the booklet for
XYZ(16.6909, 18.9724, 10.0846)
contains.

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Color

**XYZ(16.6626, 18.9414,
10.1750)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7B4F
RGB	123, 123, 79
RGB Percent	48%, 48%, 31%
CMY	0.5176, 0.5176, 0.6902
CMYK	0.00, 0.00, 0.36, 0.52
HSL	60°, 22%, 40%
HSV	60°, 36%, 48%
XYZ	16.6626, 18.9414, 10.1750
YIQ	117.9840, 14.1240, -13.6840

Conversions

Conversions Part 2

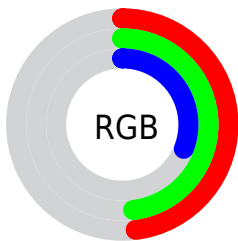
Format	Color
R_{YB}	79, 123, 79
Decimal	8092495
CIE Lab	50.62, -7.31, 24.10
CIE LCh	51, 25.186, 106.878
Yxy	18.9414, 0.3640, 0.4138
Android (android.graphics.Color)	4286282575 (0xFF7B7B4F)
YUV	117.9840, -19.2191, 4.3990
Hunter-Lab	43.5217, -7.8230, 16.6037

Details

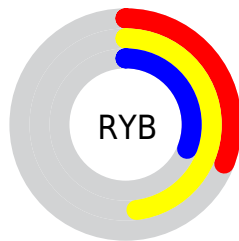
The XYZ color **16.6626, 18.9414, 10.1750** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.5963, 8.6848, 19.9106**, and the grayscale version is **17.2705, 18.1699, 19.7870**.

A 20% lighter version of the original color is **37.1969, 41.4750, 26.8139**, and **5.4709, 6.4238, 2.3904** is the 20% darker color. If you saturate the color by 10%, you get **16.2558, 18.7793, 8.0313**, and if you desaturate by 10%, it is **17.1533, 19.1384, 12.7559**.

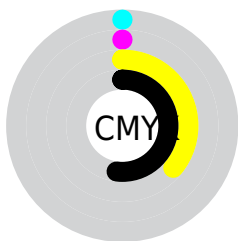
Distribution



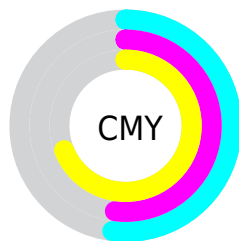
- Red (48%)
- Green (48%)
- Blue (31%)



- Red (31%)
- Yellow (48%)
- Blue (31%)



- Cyan (0%)
- Magenta (0%)
- Yellow (36%)
- Black (52%)



- Cyan (52%)
- Magenta (52%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6626, 18.9414, 10.1750 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 16.6626, 18.9414, 10.1750 by changing the saturation by 10% instead.

■ 16.6626, 18.9414,
10.1750

■ 16.6626, 18.9414,
10.1750

226.4148,
246.1251, 202.4465

■ 10.0880, 11.6279,
5.4080

■ 37.2930, 41.6351,
26.7371

■ 5.5201, 6.4909,
2.4257

■ 52.0795, 57.7840,
39.3693

■ 2.5934, 3.1458,
0.8004

■ 70.3341, 77.6470,
55.4603

■ 0.9426, 1.2083,
0.0000

■ 92.4220, 101.6083,
75.4287

■ 0.0000, 0.0685,
0.0000

■ 118.7087,
130.0524, 99.6929

■ 0.0000, 0.0000,
0.0000

149.5595,

163.3636, 128.6716

185.3398,
201.9264, 162.7833

■ 16.6626, 18.9414,
10.1750

■ 16.6626, 18.9414,
10.1750

■ 16.2558, 18.7793,
8.0313

■ 17.1533, 19.1384,
12.7559

■ 15.9267, 18.6477,
6.2995

■ 17.7306, 19.3693,
15.7951

■ 15.6710, 18.5454,
4.9536

■ 18.3989, 19.6366,
19.3138

■ 15.4829, 18.4701,
3.9640

■ 19.1620, 19.9419,
23.3314

■ 15.3561, 18.4194,
3.2970

■ 20.0233, 20.2864,
27.8663

■ 15.2793, 18.3887,
2.8934

■ 20.9862, 20.6716,
32.9359

■ 15.2508, 18.3772,
2.7434

■ 22.0538, 21.0987,
38.5570

■ 23.2291, 21.5688,
44.7454

■ 24.5151, 22.0832,
51.5165

Harmonies

Analogous

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



19.1003, 18.9414, 10.0320



16.6626, 18.9414, 10.1750



14.7622, 18.9414, 12.6708

Triad

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



16.6626, 18.9414, 10.1750



14.9554, 18.9414, 32.1959



23.0220, 18.9414, 23.8599

Complementary

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



16.6626, 18.9414, 10.1750



9.5963, 8.6848, 19.9106

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.



21.6870, 18.9414, 31.3572



16.6626, 18.9414, 10.1750



16.9490, 18.9414, 36.8591

Square

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



16.6626, 18.9414, 10.1750



13.8399, 18.9414, 24.8190



19.4139, 18.9414, 36.5212



22.9275, 18.9414, 16.9305

Rectangle

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



16.6626, 18.9414, 10.1750



13.9886, 18.9414, 15.7419



19.4139, 18.9414, 36.5212



22.7208, 18.9414, 26.4235

Sweetspot

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



16.6631, 18.9423, 10.1754



32.2673, 34.8907, 31.0120



12.3763, 10.3679, 8.7463



7.5692, 8.2052, 7.1447



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.6631, 18.9423, 10.1754



29.2231, 33.6729, 14.9864



13.8618, 17.4982, 10.0443



4.3077, 4.6339, 4.2919



15.7759, 19.0100, 2.8378



75.2521, 90.6793, 13.5367

Inverse Universe

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



9.5963, 8.6848, 19.9106



14.5637, 12.3945, 35.1814



11.7386, 9.7892, 20.0108



3.7977, 3.8936, 4.9946



3.6986, 1.4795, 19.4759



17.6424, 7.0570, 92.9021

Previews

White Background



This preview shows how the XYZ color 16.6626, 18.9414, 10.1750 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



This preview shows how the XYZ color 16.6626, 18.9414, 10.1750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

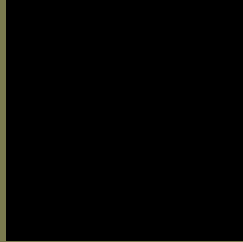
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6626, 18.9414, 10.1750

Background



This preview shows how black text looks on a background with the XYZ color 16.6626, 18.9414, 10.1750.



This preview shows how white text looks on a background with the XYZ color 16.6626, 18.9414,

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

16.6626, 18.9414, 10.1750

Protanopia

17.4517, 18.8083, 9.9183

Deuteranopia

19.1175, 18.7848, 10.4028



Tritanopia

19.1804, 18.8961, 22.3750

Trichromacy



Original Color

16.6626, 18.9414, 10.1750

Protanomaly

17.1146, 18.8140, 9.9372

Deuteranomaly

18.0797, 18.7703, 10.2595

Tritanomaly

18.1095, 18.8098, 17.1442

Monochromacy



Original Color

16.6626, 18.9414, 10.1750

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9609, 18.4255, 15.7592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6626, 18.9414, 10.1750 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(123, 123, 79)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 79)  
}
```

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(123, 123, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 79) }
```

Border

The CSS property to change the border of an element to XYZ 16.6626, 18.9414, 10.1750 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(123, 123, 79) }
```


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

```
.border{ border-color:rgb(123, 123, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 123, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 79);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6626, 18.9414, 10.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 79) }
```

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

```
.background{ background-color: rgb(123,  
123, 79) }
```

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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