

Converting Colors

XYZ(17.1466, 18.7333, 12.6294)

Have a look what the booklet for
XYZ(17.1466, 18.7333, 12.6294)
contains.

XYZ(17.1831, 18.7900, 12.6187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.1831, 18.7900,
12.6187)**

Conversions

Conversions Part 1

Format	Color
Hex	7D795B
RGB	125, 121, 91
RGB Percent	49%, 47%, 36%
CMY	0.5098, 0.5255, 0.6431
CMYK	0.00, 0.03, 0.27, 0.51
HSL	53°, 16%, 42%
HSV	53°, 27%, 49%
XYZ	17.1831, 18.7900, 12.6187
YIQ	118.7760, 12.0140, -8.4820

Conversions

Conversions Part 2

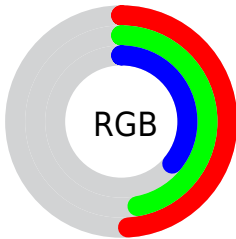
Format	Color
RYB	96, 125, 91
Decimal	8223067
CIELab	50.44, -3.66, 17.04
CIELCh	50, 17.432, 102.124
Yxy	18.7900, 0.3536, 0.3867
Android (android.graphics.Color)	4286413147 (0xFF7D795B)
YUV	118.7760, -13.6936, 5.4584
Hunter-Lab	43.3474, -5.0999, 13.0835

Details

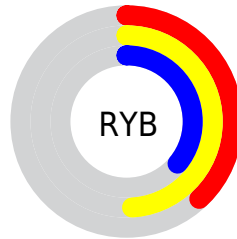
The XYZ color **17.1831, 18.7900, 12.6187** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.1082, 11.8889, 21.0587**, and the grayscale version is **17.5034, 18.4149, 20.0538**.

A 20% lighter version of the original color is **38.1114, 41.2752, 31.1575**, and **5.8367, 6.4910, 3.4279** is the 20% darker color. If you saturate the color by 10%, you get **16.5112, 18.2383, 9.9524**, and if you desaturate by 10%, it is **17.9486, 19.3848, 15.7599**.

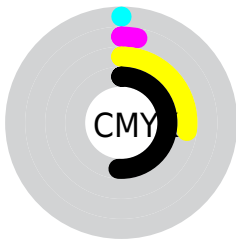
Distribution



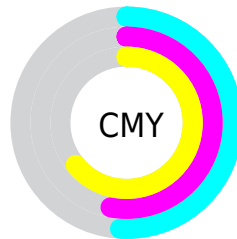
- Red (49%)
- Green (47%)
- Blue (36%)



- Red (38%)
- Yellow (49%)
- Blue (36%)



- Cyan (0%)
- Magenta (3%)
- Yellow (27%)
- Black (51%)



- Cyan (51%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1831, 18.7900, 12.6187 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 17.1831, 18.7900, 12.6187 by changing the saturation by 10% instead.

■ 17.1831, 18.7900,
12.6187

■ 17.1831, 18.7900,
12.6187

229.3611,
245.2870, 219.5806

■ 10.4612, 11.5186,
7.0389

■ 38.1814, 41.3789,
31.2981

■ 5.7704, 6.4168,
3.4076

■ 53.1886, 57.4653,
45.2348

■ 2.7453, 3.1002,
1.3063

■ 71.6882, 77.2588,
62.7942

■ 1.0206, 1.1842,
0.0670

■ 94.0457, 101.1438,
84.3948

■ 0.0000, 0.0488,
0.0000

120.6264,
129.5048, 110.4552

■ 0.0000, 0.0000,
0.0000

151.7956,

162.7260, 141.3940

187.9187,
201.1919, 177.6296

■ 17.1831, 18.7900,
12.6187

■ 17.1831, 18.7900,
12.6187

■ 16.5112, 18.2383,
9.9524

■ 17.9486, 19.3848,
15.7599

■ 15.9269, 17.7253,
7.7363

■ 18.8103, 20.0218,
19.3965

■ 15.4258, 17.2500,
5.9455

■ 19.7726, 20.7034,
23.5494

■ 15.0027, 16.8101,
4.5519

■ 20.8393, 21.4311,
28.2380

■ 14.6517, 16.4034,
3.5242

■ 22.0137, 22.2064,
33.4805

■ 14.3657, 16.0269,
2.8266

■ 23.2992, 23.0306,
39.2943

■ 14.1302, 15.6748,
2.3813

■ 24.6990, 23.9050,
45.6961

■ 14.0664, 15.5778,
2.2654

■ 26.2161, 24.8307,
52.7019

■ 27.8535, 25.8091,
60.3271

Harmonies

Analogous

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



18.8792, 18.7900, 12.7953



17.1831, 18.7900, 12.6187



15.7600, 18.7900, 14.2842

Triad

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



17.1831, 18.7900, 12.6187



15.5480, 18.7900, 27.3849



21.1464, 18.7900, 23.4621

Complementary

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



17.1831, 18.7900, 12.6187



12.1082, 11.8889, 21.0587

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.



20.1373, 18.7900, 28.1978



17.1831, 18.7900, 12.6187



16.8769, 18.7900, 30.6977

Square

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



17.1831, 18.7900, 12.6187



14.8568, 18.7900, 22.4841



18.5531, 18.7900, 31.0167



21.2413, 18.7900, 18.5595

Rectangle

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



17.1831, 18.7900, 12.6187



15.1289, 18.7900, 16.3955



18.5531, 18.7900, 31.0167



20.9000, 18.7900, 25.1442

Sweetspot

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



17.1836, 18.7908, 12.6191



33.5233, 35.7372, 34.0461



14.2886, 12.6783, 12.6483



7.5780, 8.0945, 7.5431



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.



17.1836, 18.7908, 12.6191



29.9589, 32.9888, 19.3537



15.9722, 18.9024, 12.7045



4.6236, 4.9359, 4.6292



14.6778, 16.2520, 2.3634



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1082, 11.8889, 21.0587



19.1859, 18.3406, 37.2732



13.0901, 11.8743, 21.0041



4.1465, 4.2869, 5.4222



4.0341, 1.8867, 20.4015



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.1831, 18.7900, 12.6187 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 17.1831, 18.7900, 12.6187 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

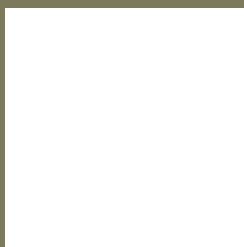
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.1831, 18.7900, 12.6187

Background



This preview shows how black text looks on a background with the XYZ color 17.1831, 18.7900, 12.6187.



This preview shows how white text looks on a background with the XYZ color 17.1831, 18.7900,

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

17.1831, 18.7900, 12.6187

Protanopia

17.4640, 18.7603, 12.3735

Deuteranopia

19.0470, 18.6969, 12.7302



Tritanopia

19.0645, 18.6643, 22.3364

Trichromacy



Original Color

17.1831, 18.7900, 12.6187

Protanomaly

17.3143, 18.6832, 12.3665

Deuteranomaly

18.2847, 18.6462, 12.7606

Tritanomaly

18.3612, 18.7383, 18.2719

Monochromacy



Original Color

17.1831, 18.7900, 12.6187

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.3619, 18.6020, 17.1435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1831, 18.7900, 12.6187 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(125, 121, 91)` looks like.

```
.text, #text, p{  
    color:rgb(125, 121, 91)  
}
```

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(125, 121, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 121, 91) }
```

Border

The CSS property to change the border of an element to XYZ 17.1831, 18.7900, 12.6187 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(125, 121, 91) }
```


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

```
.border{ border-color:rgb(125, 121, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 121, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 121, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 121, 91);  
box-shadow:4px 4px 4px 4px rgb(125, 121,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1831, 18.7900, 12.6187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 121, 91) }
```

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

```
.background{ background-color: rgb(125,  
121, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor