

Converting Colors

XYZ(18.0891, 19.2068, 7.8055)

Have a look what the booklet for
XYZ(18.0891, 19.2068, 7.8055)
contains.

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Color

**XYZ(17.9871, 19.1330,
7.7460)**

Conversions

Conversions Part 1

Format	Color
Hex	897841
RGB	137, 120, 65
RGB Percent	54%, 47%, 25%
CMY	0.4627, 0.5294, 0.7451
CMYK	0.00, 0.12, 0.53, 0.46
HSL	46°, 36%, 40%
HSV	46°, 53%, 54%
XYZ	17.9871, 19.1330, 7.7460
YIQ	118.8130, 27.7870, -13.5010

Conversions

Conversions Part 2

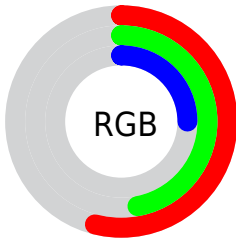
Format	Color
R_{YB}	87, 137, 65
Decimal	9009217
CIE Lab	50.84, -1.05, 32.37
CIE LCh	51, 32.392, 91.859
Yxy	19.1330, 0.4009, 0.4264
Android (android.graphics.Color)	4287199297 (0xFF897841)
YUV	118.8130, -26.5298, 15.9500
Hunter-Lab	43.7413, -3.1453, 20.1194

Details

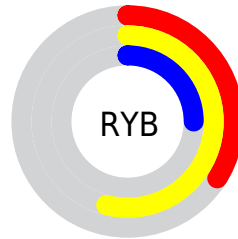
The XYZ color **17.9871, 19.1330, 7.7460** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.7124, 8.9641, 24.8850**, and the grayscale version is **17.5509, 18.4649, 20.1083**.

A 20% lighter version of the original color is **39.5280, 41.9264, 21.9288**, and **6.1812, 6.6130, 1.5668** is the 20% darker color. If you saturate the color by 10%, you get **17.2552, 18.2291, 5.7760**, and if you desaturate by 10%, it is **18.8294, 20.1035, 10.2282**.

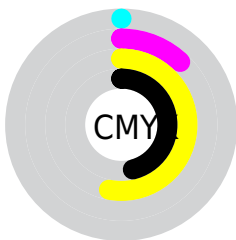
Distribution



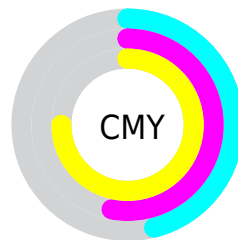
- Red (54%)
- Green (47%)
- Blue (25%)



- Red (34%)
- Yellow (54%)
- Blue (25%)



- Cyan (0%)
- Magenta (12%)
- Yellow (53%)
- Black (46%)



- Cyan (46%)
- Magenta (53%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9871, 19.1330, 7.7460 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 17.9871, 19.1330, 7.7460 by changing the saturation by 10% instead.

■ 17.9871, 19.1330,
7.7460

■ 17.9871, 19.1330,
7.7460

233.8453,
247.1820, 183.5855

■ 11.0404, 11.7664,
3.8474

■ 39.5456, 41.9587,
21.9969

■ 6.1615, 6.5848,
1.5420

■ 54.8881, 58.1866,
33.1862

■ 2.9851, 3.2038,
0.2489

■ 73.7598, 78.1371,
47.6429

■ 1.1459, 1.2391,
0.0000

■ 96.5262, 102.1946,
65.7855

■ 0.0630, 0.0933,
0.0000

■ 123.5526,
130.7434, 88.0326

■ 0.0000, 0.0000,
0.0000

■ 155.2043,

164.1680, 114.8025

191.8468,
202.8527, 146.5140

■ 17.9871, 19.1330,
7.7460

■ 17.9871, 19.1330,
7.7460

■ 17.2552, 18.2291,
5.7760

■ 18.8294, 20.1035,
10.2282

■ 16.6250, 17.3860,
4.2798

■ 19.7871, 21.1407,
13.2551

■ 16.0889, 16.6011,
3.2151

■ 20.8668, 22.2481,
16.8578

■ 15.6372, 15.8703,
2.5321

■ 22.0738, 23.4281,
21.0647

■ 15.3335, 15.3524,
2.1551

■ 23.4134, 24.6829,
25.9025

■ 24.8904, 26.0147,
31.3960

■ 26.5094, 27.4255,
37.5688

■ 28.2748, 28.9171,
44.4435

■ 30.1907, 30.4916,
52.0414

Harmonies

Analogous

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



21.2343, 19.1330, 8.8649



17.9871, 19.1330, 7.7460



15.1362, 19.1330, 9.1912

Triad

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



17.9871, 19.1330, 7.7460



13.4574, 19.1330, 31.5480



24.1477, 19.1330, 30.2643

Complementary

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



17.9871, 19.1330, 7.7460



9.7124, 8.9641, 24.8850

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.



21.6187, 19.1330, 39.5974



17.9871, 19.1330, 7.7460



15.4432, 19.1330, 40.4782

Square

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



17.9871, 19.1330, 7.7460



12.7181, 19.1330, 21.4076



18.3850, 19.1330, 43.7832



25.0303, 19.1330, 20.2679

Rectangle

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



17.9871, 19.1330, 7.7460



13.7753, 19.1330, 11.7581



18.3850, 19.1330, 43.7832



23.4485, 19.1330, 33.6735

Sweetspot

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



17.9876, 19.1339, 7.7464



38.6818, 41.1374, 34.7304



13.7682, 9.7236, 9.3350



8.5911, 9.1439, 7.4932



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



17.9876, 19.1339, 7.7464



30.6806, 32.3599, 9.7903



17.5075, 22.1948, 8.3625



5.3327, 5.6482, 5.3615



14.2926, 14.3197, 2.0107



0.1061, 0.1175, 0.0171

Inverse Universe

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



9.7124, 8.9641, 24.8850



14.2145, 12.1513, 43.9794



9.9730, 7.4259, 24.5744



4.8643, 5.0716, 6.3284



4.7039, 2.6782, 22.3147



0.0410, 0.0373, 0.1515

Previews

White Background



This preview shows how the XYZ color 17.9871, 19.1330, 7.7460 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 17.9871, 19.1330, 7.7460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

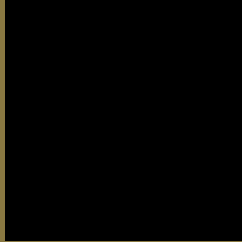
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9871, 19.1330, 7.7460

Background



This preview shows how black text looks on a background with the XYZ color 17.9871, 19.1330, 7.7460.



This preview shows how white text looks on a background with the XYZ color 17.9871, 19.1330,

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

17.9871, 19.1330, 7.7460

Protanopia

17.4644, 19.0429, 7.7562

Deuteranopia

19.4415, 19.1800, 7.8317



Tritanopia

20.5733, 18.9662, 20.9889

Trichromacy



Original Color

17.9871, 19.1330, 7.7460

Protanomaly

17.6230, 19.1247, 7.7636

Deuteranomaly

18.8463, 19.0452, 7.8370

Tritanomaly

19.4096, 19.0058, 14.9574

Monochromacy



Original Color

17.9871, 19.1330, 7.7460

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.4531, 18.5301, 14.4612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9871, 19.1330, 7.7460 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(137, 120, 65)` looks like.

```
.text, #text, p{  
    color:rgb(137, 120, 65)  
}
```

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(137, 120, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 120, 65) }
```

Border

The CSS property to change the border of an element to XYZ 17.9871, 19.1330, 7.7460 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(137, 120, 65) }
```


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

```
.border{ border-color:rgb(137, 120, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 120, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 120, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 120, 65);  
box-shadow:4px 4px 4px 4px rgb(137, 120,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9871, 19.1330, 7.7460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 120, 65) }
```

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

```
.background{ background-color: rgb(137,  
120, 65) }
```

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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