

Converting Colors

XYZ(17.1839, 19.8036, 13.6090)

Have a look what the booklet for
XYZ(17.1839, 19.8036, 13.6090)
contains.

XYZ(17.2175, 19.9088, 13.5250)	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(17.2175, 19.9088,
13.5250)**

Conversions

Conversions Part 1

Format	Color
Hex	777F5E
RGB	119, 127, 94
RGB Percent	47%, 50%, 37%
CMY	0.5333, 0.5019, 0.6314
CMYK	0.06, 0.00, 0.26, 0.50
HSL	75°, 15%, 43%
HSV	75°, 26%, 50%
XYZ	17.2175, 19.9088, 13.5250
YIQ	120.8460, 5.8250, -11.9590

Conversions

Conversions Part 2

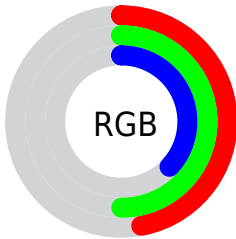
Format	Color
RYB	94, 127, 102
Decimal	7831390
CIELab	51.73, -9.05, 16.99
CIElCh	52, 19.251, 118.033
Yxy	19.9088, 0.3399, 0.3931
Android (android.graphics.Color)	4286021470 (0xFF777F5E)
YUV	120.8460, -13.2351, -1.6189
Hunter-Lab	44.6193, -9.2049, 13.2615

Details

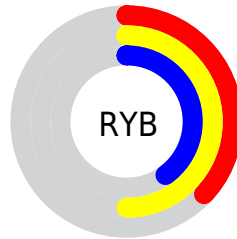
The XYZ color **17.2175, 19.9088, 13.5250** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.3137, 12.3630, 21.7643**, and the grayscale version is **18.1647, 19.1107, 20.8115**.

A 20% lighter version of the original color is **38.2267, 43.3448, 33.1397**, and **5.7837, 6.9643, 3.8357** is the 20% darker color. If you saturate the color by 10%, you get **16.2782, 19.4857, 10.7470**, and if you desaturate by 10%, it is **18.2653, 20.3782, 16.7984**.

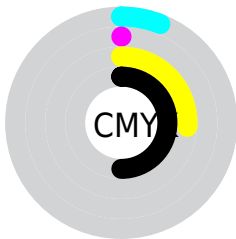
Distribution



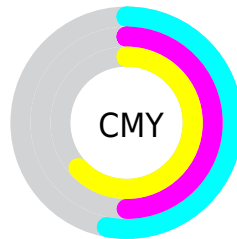
- Red (47%)
- Green (50%)
- Blue (37%)



- Red (37%)
- Yellow (50%)
- Blue (40%)



- Cyan (6%)
- Magenta (0%)
- Yellow (26%)
- Black (50%)



- Cyan (53%)
- Magenta (50%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2175, 19.9088, 13.5250 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 17.2175, 19.9088, 13.5250 by changing the saturation by 10% instead.

■ 17.2175, 19.9088,
13.5250

■ 17.2175, 19.9088,
13.5250

229.5546,
251.4210, 225.5802

■ 10.4859, 12.3288,
7.6561

■ 38.2400, 43.2642,
32.9487

■ 5.7871, 6.9680,
3.7911

■ 53.2616, 59.8084,
47.3406

■ 2.7555, 3.4421,
1.5114

■ 71.7774, 80.1094,
65.4105

■ 1.0258, 1.3667,
0.2264

■ 94.1525, 104.5517,
87.5771

■ 0.0000, 0.1920,
0.0000

120.7524,
133.5196, 114.2588

■ 0.0000, 0.0000,
0.0000

151.9425,

167.3975, 145.8742

188.0881,
206.5698, 182.8418

■ 17.2175, 19.9088,
13.5250

■ 17.2175, 19.9088,
13.5250

■ 16.2782, 19.4857,
10.7470

■ 18.2653, 20.3782,
16.7984

■ 15.4412, 19.1044,
8.4391

■ 19.4245, 20.8931,
20.5886

■ 14.7019, 18.7638,
6.5755

■ 20.6998, 21.4561,
24.9169

■ 14.0547, 18.4615,
5.1275

■ 22.0950, 22.0686,
29.8034

■ 13.4934, 18.1951,
4.0629

■ 23.6138, 22.7322,
35.2670

■ 13.0108, 17.9618,
3.3449

■ 25.2599, 23.4484,
41.3257

■ 12.5948, 17.7565,
2.9100

■ 27.0365, 24.2185,
47.9967

■ 12.4354, 17.6775,
2.7567

■ 28.9470, 25.0438,
55.2966

■ 30.9944, 25.9255,
63.2413

Harmonies

Analogous

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



19.0515, 19.9088, 12.6317



17.2175, 19.9088, 13.5250



15.9216, 19.9088, 16.4827

Triad

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



17.2175, 19.9088, 13.5250



17.0094, 19.9088, 32.1027



22.9156, 19.9088, 22.0474

Complementary

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



17.2175, 19.9088, 13.5250



13.3137, 12.3630, 21.7643

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.



22.2791, 19.9088, 27.8626



17.2175, 19.9088, 13.5250



18.7945, 19.9088, 34.2529

Square

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



17.2175, 19.9088, 13.5250



15.8073, 19.9088, 27.1158



20.7370, 19.9088, 32.5832



22.4227, 19.9088, 17.0194

Rectangle

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



17.2175, 19.9088, 13.5250



15.4921, 19.9088, 19.5296



20.7370, 19.9088, 32.5832



22.8258, 19.9088, 23.9770

Sweetspot

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



17.2180, 19.9097, 13.5254



34.3077, 37.2022, 35.2891



15.4954, 14.7646, 12.6231



7.9665, 8.6808, 8.0450



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



17.2180, 19.9097, 13.5254



29.8408, 35.2055, 21.2520



15.1810, 18.8596, 13.4301



4.5667, 4.9686, 4.6385



12.5395, 17.8267, 2.7800



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.3137, 12.3630, 21.7643



21.6455, 19.3605, 38.5524



15.3325, 13.4038, 21.8588



4.1990, 4.2582, 5.4139



4.4260, 1.8354, 20.3709



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.2175, 19.9088, 13.5250 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 17.2175, 19.9088, 13.5250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

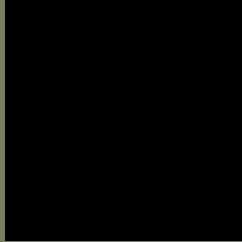
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2175, 19.9088, 13.5250

Background



This preview shows how black text looks on a background with the XYZ color 17.2175, 19.9088, 13.5250.



This preview shows how white text looks on a background with the XYZ color 17.2175, 19.9088,

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

17.2175, 19.9088, 13.5250

Protanopia

18.5304, 19.8442, 12.9789

Deuteranopia

20.0914, 19.7307, 13.8158



Tritanopia

19.4366, 19.8701, 24.6407

Trichromacy



Original Color

17.2175, 19.9088, 13.5250

Protanomaly

17.9358, 19.7176, 13.2165

Deuteranomaly

18.8946, 19.6519, 13.6238

Tritanomaly

18.5037, 19.8609, 19.9978

Monochromacy



Original Color

17.2175, 19.9088, 13.5250

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.6979, 19.3067, 17.8327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2175, 19.9088, 13.5250 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(119, 127, 94)` looks like.

```
.text, #text, p{  
    color:rgb(119, 127, 94)  
}
```

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(119, 127, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 127, 94) }
```

Border

The CSS property to change the border of an element to XYZ 17.2175, 19.9088, 13.5250 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(119, 127, 94) }
```


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

```
.border{ border-color:rgb(119, 127, 94) }
```

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

Here you see how a box with a 4 pixel rgb(119, 127, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 127, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 127, 94);  
box-shadow:4px 4px 4px 4px rgb(119, 127,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2175, 19.9088, 13.5250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 127, 94) }
```

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

```
.background{ background-color: rgb(119,  
127, 94) }
```

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