

Converting Colors

XYZ(21.8360, 17.7827, 10.7419)

Have a look what the booklet for
XYZ(21.8360, 17.7827, 10.7419)
contains.

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Color

**XYZ(21.8833, 17.8614,
10.6817)**

Conversions

Conversions Part 1

Format	Color
Hex	A66454
RGB	166, 100, 84
RGB Percent	65%, 39%, 33%
CMY	0.3490, 0.6078, 0.6706
CMYK	0.00, 0.40, 0.49, 0.35
HSL	12°, 33%, 49%
HSV	12°, 49%, 65%
XYZ	21.8833, 17.8614, 10.6817
YIQ	117.9100, 44.4720, 9.0160

Conversions

Conversions Part 2

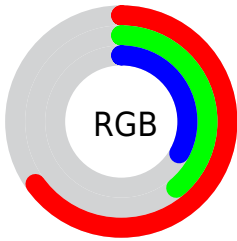
Format	Color
RYB	166, 104, 84
Decimal	10904660
CIELab	49.33, 24.87, 20.39
CIELCh	49, 32.160, 39.354
Yxy	17.8614, 0.4340, 0.3542
Android (android.graphics.Color)	4289094740 (0xFFA66454)
YUV	117.9100, -16.7176, 42.1749
Hunter-Lab	42.2627, 18.4660, 14.5987

Details

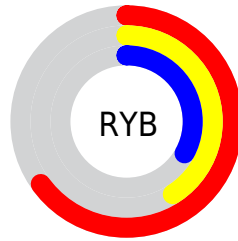
The XYZ color **21.8833, 17.8614, 10.6817** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.4449, 26.4495, 40.0514**, and the grayscale version is **17.2330, 18.1305, 19.7441**.

A 20% lighter version of the original color is **46.2718, 40.0250, 27.8411**, and **8.1497, 5.9820, 2.6446** is the 20% darker color. If you saturate the color by 10%, you get **20.1305, 15.2760, 7.2610**, and if you desaturate by 10%, it is **24.0012, 20.9306, 14.9846**.

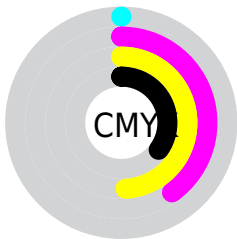
Distribution



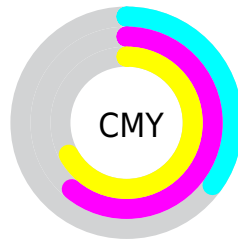
- Red (65%)
- Green (39%)
- Blue (33%)



- Red (65%)
- Yellow (41%)
- Blue (33%)



- Cyan (0%)
- Magenta (40%)
- Yellow (49%)
- Black (35%)



- Cyan (35%)
- Magenta (61%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8833, 17.8614, 10.6817 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 21.8833, 17.8614, 10.6817 by changing the saturation by 10% instead.

■ 21.8833, 17.8614,
10.6817

■ 21.8833, 17.8614,
10.6817

254.5801,
240.0887, 206.1290

■ 13.8873, 10.8505,
5.7418

■ 46.0333, 39.8010,
27.6977

■ 8.1235, 5.9664,
2.6225

■ 62.9181, 55.4985,
40.6107

■ 4.2265, 2.8247,
0.9040

■ 83.4964, 74.8604,
57.0186

■ 1.8311, 1.0409,
0.0000

■ 108.1338, 98.2710,
77.3399

■ 0.5363, 0.0000,
0.0000

■ 137.1955,
126.1147, 101.9930

■ 0.0000, 0.0000,
0.0000

171.0468,

158.7760, 131.3965

210.0532,
196.6392, 165.9690

■ 21.8833, 17.8614,
10.6817

■ 21.8833, 17.8614,
10.6817

■ 20.1305, 15.2760,
7.2610

■ 24.0012, 20.9306,
14.9846

■ 18.7203, 13.1468,
4.6599

■ 26.5025, 24.5038,
20.2245

■ 17.6294, 11.4474,
2.8090

■ 29.4056, 28.6037,
26.4527

■ 16.8310, 10.1477,
1.6269

■ 32.7275, 33.2504,
33.7167

■ 16.2809, 9.2082,
0.9480

■ 36.4841, 38.4632,
42.0608

■ 16.2532, 9.1616,
0.9117

■ 40.6905, 44.2604,
51.5268

■ 45.3611, 50.6593,
62.1541

■ 50.5096, 57.6768,
73.9805

■ 56.1491, 65.3288,
87.0417

Harmonies

Analogous

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



23.3871, 17.8614, 16.8640



21.8833, 17.8614, 10.6817



19.1113, 17.8614, 7.6534

Triad

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



21.8833, 17.8614, 10.6817



12.0946, 17.8614, 14.1459



17.9398, 17.8614, 40.9507

Complementary

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



21.8833, 17.8614, 10.6817



21.4449, 26.4495, 40.0514

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.



15.0073, 17.8614, 39.5728



21.8833, 17.8614, 10.6817



11.8599, 17.8614, 22.2833

Square

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



21.8833, 17.8614, 10.6817



13.5489, 17.8614, 9.2015



12.8645, 17.8614, 32.0395



20.9388, 17.8614, 35.3822

Rectangle

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



21.8833, 17.8614, 10.6817



17.0423, 17.8614, 7.0937



12.8645, 17.8614, 32.0395



16.9113, 17.8614, 41.3139

Sweetspot

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



21.8837, 17.8623, 10.6820



55.7576, 55.2640, 53.2063



24.4795, 16.6810, 31.1936



12.2105, 11.9930, 11.3248



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.8837, 17.8623, 10.6820



36.3364, 27.4279, 12.8010



26.7091, 27.5131, 12.2905



7.6453, 7.7706, 7.8862



12.6307, 7.1587, 0.7161



0.3399, 0.2394, 0.0283

Inverse Universe

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



21.4449, 26.4495, 40.0514



35.4028, 44.7217, 72.2415



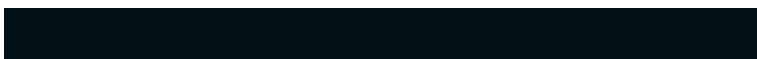
16.1116, 15.7828, 38.2736



7.6213, 8.2796, 9.6148



11.9383, 15.3368, 30.3066



0.3214, 0.4350, 0.7477

Previews

White Background



This preview shows how the XYZ color 21.8833, 17.8614, 10.6817 looks on a white 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

Black Background



This preview shows how the XYZ color 21.8833, 17.8614, 10.6817 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 21.8833, 17.8614, 10.6817

Background



This preview shows how black text looks on a background with the XYZ color 21.8833, 17.8614, 10.6817.



This preview shows how white text looks on a background with the XYZ color 21.8833, 17.8614,

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

21.8833, 17.8614, 10.6817

Protanopia

16.8676, 18.0895, 12.7278

Deuteranopia

18.2433, 17.9949, 10.4945



Tritanopia

22.9218, 17.8737, 15.3386

Trichromacy



Original Color

21.8833, 17.8614, 10.6817

Protanomaly

18.3028, 17.6656, 11.8963

Deuteranomaly

19.3183, 17.7392, 10.5894

Tritanomaly

22.4617, 17.8139, 13.5638

Monochromacy



Original Color

21.8833, 17.8614, 10.6817

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.2776, 17.5604, 16.0618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8833, 17.8614, 10.6817 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(166, 100, 84)` looks like.

```
.text, #text, p{  
    color:rgb(166, 100, 84)  
}
```

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(166, 100, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 100, 84) }
```

Border

The CSS property to change the border of an element to XYZ 21.8833, 17.8614, 10.6817 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(166, 100, 84) }
```


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

```
.border{ border-color:rgb(166, 100, 84) }
```

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

Here you see how a box with a 4 pixel rgb(166, 100, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 100, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 100, 84);  
box-shadow:4px 4px 4px 4px rgb(166, 100,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8833, 17.8614, 10.6817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 100, 84) }
```

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

```
.background{ background-color: rgb(166,  
100, 84) }
```

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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